

# 密封选型 (Mechanical Seals Types)

Media		Recommended Mechanical Seals					Additional Medium Information						
		Code of Materials and legend seeinside of back cover.	Chemical Formula	Concentration (%)	Temp. (°C)	Arrangement	Materials to EN12756						
							Seal Type	I Seal Face	II Stat. Face	III Sec. seal	IV Spring	V Others	Hazard reference
1	2	3	4	5	6	7	8	9					
<b>A</b>	<b>A</b>												
乙醛	Acetaldehyde (Ethanal)	CH <sub>3</sub> CHO	-	100	D1	1	G	B	M2	G	G	C3,1,3,7	0.78
醋酸(乙酸)酯→醋酸酯	Acetates →Acetic acid esters		-	<Kp	S1,Q3	1	V1	B	M2	M	M	A,7	
醋酸:	Acetic acid:	CH <sub>3</sub> COOH	~25	<Kp	S1	1	V1	B	M2	G	G	A	
醋酸精	Acetic essence	CH <sub>3</sub> COOH	<90	25	S1,Q3	1	V1	B	E	G	G	A,7	
冰醋酸	Glacial acetic acid	CH <sub>3</sub> COOH	>96	<80	S1,Q3	1	V1	B	M2	G	G	A,7	1.05
醋	Vinegar	CH <sub>3</sub> COOH	~10	<60	S1	1	S	B	E	G	G		
醋酸酐	Acetic acid anhydride	C <sub>4</sub> H <sub>6</sub> O <sub>3</sub>	-	<100	S1,Q3	1	V1	B	M2	G	G	A,R	1.08
醋酸酯:	Acetic acid esters:												
醋酸苯甲基酯	Acetic acid benzyl ester	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	-	<80	S1	1	G	B	M2	G	G		1.057
醋酸丁基酯:	Acetic acid butyl esters:												
醋酸丁酯	butyl acetate	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	-	<80	S1,Q3	1	G	B	M2	G	G	7	0.882
仲丁基醋酸酯	sec. Butyl acetate	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	-	<40	S1,Q3	1	G	B	M2	G	G	7	0.865
叔丁基醋酸酯	tert. Butyl acetate	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	-	<40	S1,Q3	1	G	B	M2	G	G	7	0.859
异丁基醋酸酯	Isobutyl acetate	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	-	<40	S1,Q3	1	G	B	M2	G	G	7	0.87
醋酸肉桂酯	Acetic acid cinnamyl ester	C <sub>11</sub> H <sub>12</sub> O <sub>2</sub>	-	<80	S1	1	G	B	M2	G	G		1.057
醋酸环己酯	Acetic acid cyclohexyl ester	C <sub>8</sub> H <sub>14</sub> O <sub>2</sub>	-	<80	S1	1	G	B	M2	G	G		0.969
醋酸乙酯	Acetic acid ethyl ester	CH <sub>3</sub> COOC <sub>2</sub> H <sub>5</sub>	-	<60	S1,Q3	1	G	B	M2	G	G	7	0.9
醋酸乙酯	Acetic acid hexyl ester	CH <sub>3</sub> COOC <sub>6</sub> H <sub>13</sub>	-	<80	S1	1	G	B	M2	G	G		0.878
醋酸异丙酯	Acetic acid isopropyl ester	C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	-	<60	S1	1	G	B	M2	G	G		0.92
醋酸甲酯	Acetic acid methyl ester	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	-	<40	S1,Q3	1	G	B	M2	G	G	7	0.928
醋酸戊酯	Acetic acid pentyl esters												
(戊基_醋酸戊酯):	(Pentyl_Amyl acetate):	C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	-	<80	S1	1	G	B	M2	G	G		0.8756
1_醋酸戊酯	1_Pentyl acetate	C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	-	<80	S1	1	G	B	M2	G	G		0.864
2_醋酸戊酯	2_Pentyl acetate	C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	-	<80	S1	1	G	B	M2	G	G		0.8712
3_醋酸戊酯	3_Pentyl acetate	C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	-	<80	S1	1	G	B	M2	G	G		0.874
2_甲基_2_丁基醋酸酯	2_Methyl_2_butyl acetate	C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	-	<80	S1	1	G	B	M2	G	G		0.867
3_甲基_丁基醋酸酯	3_Methyl_butyl acetate	C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	-	<80	S1	1	G	B	M2	G	G		

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醋酸丙酯:	Acetic acid propyl esters:	C <sub>6</sub> H <sub>10</sub> O <sub>2</sub>	-	<80	S1,Q3	1	G	B	M2	G	G	7	0.872
醋酸异丙酯	Isopropyl acetate	C <sub>6</sub> H <sub>10</sub> O <sub>2</sub>	-	<80	S1,Q3	1	G	B	M2	G	G	7	0.867
醋酸丙酯	Propyl acetate	C <sub>6</sub> H <sub>10</sub> O <sub>2</sub>	-	<60	S1,Q3	1	G	B	M2	G	G	7	0.932
醋酸乙酯	Acetic acid vinyl ester	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	-										
乙酰醋酸酯→乙酰醋酸酯	Acetoacetate→Ethyl acetoacetate												
丙酮	Acetone	(CH <sub>3</sub> ) <sub>2</sub> CO	-	30	S1,Q3	1	G	B	E	G	G	4,7	0.791
		(CH <sub>3</sub> ) <sub>2</sub> CO	-	TG	D1	1	G	A	M2	G	G	1,4,7	
丙酮合氯化氢(ACH)	Acetone cyanohydrin (ACH)	C <sub>3</sub> H <sub>7</sub> NO	-	<Kp	S1	1	G	B	M2	G	G	G	0.932
乙腈丙酮	Acetyl acetone	CH <sub>3</sub> COCH <sub>2</sub> COCH <sub>3</sub>	-	TG	D1	1	V1	B	M1	G	G	A,R,2,3,7	1.104
氯乙醚	Acetyl chloride	CH <sub>3</sub> COCl	-	TG	D1	1	G	B	M1	G	G	1,7	(-)
乙炔	Acetylene	C <sub>2</sub> H <sub>2</sub>	-										
氯乙炔→二_	Acetylene chlorides →D_												
→三氯乙炔	→Trichloroethylene												
→四氯乙炔	→Tetrachloroethane												
ACH→丙酮合氯化氢	ACH→Acetone cyanohydrin												
酸性焦油	Acidic tar		-	>F<200	D1	1	V1	B	M1	G	G		1.051
丙烯酸	Acrylic acid	C <sub>3</sub> H <sub>4</sub> O <sub>2</sub>	-	<Kp	S1,Q3	1	V1	B	M2	G	G	A,3,7	
丙烯酸酯:	Acrylic esters:												
丙烯酸乙酯(乙基丙烯酸酯)	Acrylic acid ethyl ester (ethyl acrylate)												
丙烯酸甲酯(甲基丙烯酸酯)	Acrylic acid methyl ester (methyl acrylate)												
丙烯腈	Acrylonitrile	C <sub>3</sub> H <sub>3.5</sub> N	-	TG	D1	1	V1	B	M1	G	G	C2,H,7	0.806
己二酸	Adipic acid	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	<L	<Kp,>K	S1	1	V1	B	V	G	G		1.36
			>L	<Kp	S1	1	Q1	V	V	G	G		
酒精→乙醇	Alcohol→Ethanol			<Kp	D1	1	V1	B	M1	G	G	3,4,0	
醇酸树脂和油漆	Alkyd resins and lacquers		-	<Kp	D1	1	G	A	M1	G	G	A,3,7	0.8--1.8
烷基铝化合物	Alkylaluminum compounds		-	<80	D1	1	G	B	E	G	G	G,H,A,7	0.852
烯丙醇(2_丙烯_1_醇)	Allyl alcohol (2_propene_1_ol)	C <sub>3</sub> H <sub>6</sub> O	-	<80	D1	1	G	B	E	G	G		
明矾(硫酸钾铝水溶液)	Alum (potassium aluminum sulphate aqueous solution)	KAl(SO <sub>4</sub> ) <sub>2</sub> *12H <sub>2</sub> O	<L	<Kp,>K	S1	1	V1	B	V	G	G		1.76

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							I	II	III	IV	V		
氟酸铝	Aluminum chlorate	Al(ClO <sub>2</sub> ) <sub>3</sub>	<L	<Kp, >K	S1	Q1	Q1	V	G	G	8	9	
氯化铝	Aluminum chloride	AlCl <sub>3</sub>	<L	<30, >K	S1,Q3	V1	B	M1	G	G	3,8	2.44	
氟化铝	Aluminum fluoride	AlF <sub>3</sub>	<L	>30	D1	V1	B	M1	G	G	R,3	2.86	
氢氧化铝双醋酸盐 (碱性醋酸盐)	Aluminum hydroxide diacetate (basic aluminum acetate)	AlF <sub>3</sub>	>L	<Kp	S3	Q1	Q1	M1	M	G			
硝酸铝	Aluminum nitrate	Al(NO <sub>3</sub> ) <sub>3</sub>	<L	<40	S1	V1	B	E	G	G			
硫酸铝	Aluminum sulfate	Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	<L	<Kp, >K	S1,Q3	V1	B	E	G	G	3,6	2.71	
氨基磺酸(氨基磺_胺基磺_)	Amido sulfuric acid (amido sulfonic_ sulfamine_ sulfamide_ sulfamic acid)		<L	<Kp, >K	S1	V1	B	M1	G	G		2.06	
胺	Amines (not specified)		-	<Kp	S1,Q3	V1	B	M2	G	G	tel,w,H,S,R		
氨基乙醇:	Amino ethanol:		<L	<Kp, >K	S1	V1	B	M2	G	G			
1_氨基乙醇	1_Amino ethanol	(CH <sub>2</sub> ) <sub>2</sub> NH <sub>2</sub> OH	<L	<Kp, >K	S1	V1	B	M2	G	G			
2_氨基乙醇(乙醇胺)	2_Amino ethanol (ethanolamine)	(CH <sub>2</sub> ) <sub>2</sub> NH <sub>2</sub> OH	-	<Kp	D1	V1	B	M2	G	G	R	1.022	
氨基磺酸	Amino sulfonic acids		-	TG	D1	V1	B	M1	G	G	0		
氨	Ammonia	NH <sub>3</sub>	-	<40	D1	V1	B	E	G	G	G,R,1	(-)	
氨水溶液:	Ammonia aq. Solutions:	NH <sub>4</sub> OH											
氢氧化氨	Caustic ammonia	NH <sub>4</sub> OH	-29	<Kp	D1	V1	B	M2	G	G	A,R	0.9	
氯化铵	Spirit of salmiac	NH <sub>4</sub> OH	-10	<40	S1,Q3	V1	B	E	G	G	A,R	0.957	
醋酸盐	Ammonium acetate	NH <sub>3</sub>	-	TG	D1	V1	B	M2	G	G	G,R,1		
醋酸盐	Ammonium acetate	H <sub>3</sub> CCOONH <sub>4</sub>	<L	<60, >K	S1	V1	B	E	G	G		1.171	
铵矾	Ammonium alum	H <sub>3</sub> CCOONH <sub>4</sub>	<L	<Kp	S1	V1	B	M2	G	G		1.64	
氯化铵	Ammonium bromide	NH <sub>4</sub> (SO <sub>4</sub> ) <sub>2</sub> *12H <sub>2</sub> O	<L	<60, >K	S1	V1	B	V	G	G		2.55	
氨基甲酸铵→尿素	Ammonium carbamate→Urea	NH <sub>4</sub> Br	<L	<Kp, >K	S1,Q3	V1	B	M1	G	G	6		
碳酸铵	Ammonium carbonate	(NH <sub>4</sub> ) <sub>2</sub> CO <sub>3</sub>	<L	<60, >K	S1	V1	B	E	G	G			
氯化铵	Ammonium chloride (sal ammoniac)	NH <sub>4</sub> Cl	<L	<30, >K	S1	V1	B	E	G	G		1.531	

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							I	II	III	IV	V		
氟化铵:	Ammonium fluorides:												
氟化氢铵	Ammonium hydrogen fluoride	(NH <sub>4</sub> )HF <sub>2</sub>	<L	>Kp	D1	V1	B	M2	G	G	A,G,2	1.21	
中性氟化铵	Neutral ammonium fluoride	NH <sub>4</sub> F	<L	<Kp	D1	V1	B	M2	G	G	A,G,2	1.32	
硫酸氢铵	Ammonium hydrogen carbonate	(NH <sub>4</sub> )HCO <sub>3</sub>	<L	<Kp, >K	S1	V1	B	E	G	G		1.56	
氟化氢铵→氟化铵	Ammonium hydrogen fluoride												
氢氧化铵→氨水溶液	Ammonium hydroxide												
硝酸铵	Ammonium nitrate												
草酸铵	Ammonium oxalate												
过硫酸铵	Ammonium persulfate												
(过硫酸铵)	(ammonium peroxodisulfate)												
磷酸铵 2	Ammonium phosphate, secondary												
硫酸铵	Ammonium sulphate												
硫酸氢铵 (硫酸氢铵)	Ammonium thiocyanate (ammonium thiodanide)												
戊基磺酸酯→磺酸戊基酯	Amyl acetate→Acetic acid pentyl ester												
戊基醇→戊醇	Amyl alcohols→pentanols												
苯胺染料	Aniline dyes												
盐酸苯胺 (苯胺盐)	Aniline hydrochloride (aniline salt)	C <sub>6</sub> H <sub>5</sub> NH <sub>2</sub> HCl	<L	<Kp	D1	V1	B	M1	G	G	G,R,H,2,3	1.22	
苯胺, 苯胺油	Aniline, aniline oil	C <sub>6</sub> H <sub>5</sub> N	-	TG	D1	V1	B	M2	G	G	C3,H,3	1.023	
萘	Anthracene	C <sub>14</sub> H <sub>10</sub>	Sch	>Fy <Kp	S1,Q2	A	Q1	G	T6	F	6	1.25	
萘油	Anthracene oil		Sch	>Fy <Kp	S1,Q2	A	Q1	G	T6	F	6		
脱氯剂→硫代硫酸钠	Antichlor→Sodium thiosulfate												
果汁、酱油、苹果汁、果酒	Apple juices, sauce, cider, wine		-	<Kp	S1	S	B	P	G	G			
冷冻剂	Aircon→refrigerants												
氩	Argon	Ar	-	>-20	D1	V1	B	M1	G	G	1		



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<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>			
丁烷:	Butane:	C <sub>4</sub> H <sub>10</sub>									
异丁烷(2_甲基丙烷)	Isobutane (2_methyl propane)	C <sub>4</sub> H <sub>10</sub>	<Kp	S1,Q3	1	G A V	G	G	4.7		
n-丁烷	n-Butane	C <sub>4</sub> H <sub>10</sub>	<Kp	S1,Q3	1	G A V	G	G	4.7		
丁烷二醇(丁二醇)	Butanediols (butylene glycols):										
1,2-丁二醇	1,2-Butanediol	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	<Kp	S1	1	G B M1	G	G		1.019	
1,3-丁二醇	1,3-Butanediol	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	<Kp	S1	1	G B M1	G	G		1.005	
1,4-丁二醇	1,4-Butanediol	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	<200	S1	1	G B M1	G	G		1.02	
2,3-丁二醇	2,3-Butanediol	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	<Kp	S1	1	G B M1	G	G		1.033	
丁酸→丁酸	Butanic acid→Butyric acid										
丁醇	Butanol:	C <sub>4</sub> H <sub>10</sub> O									
1-丁醇	1-Butanol	C <sub>4</sub> H <sub>10</sub> O	<60	S1	1	G B E G	G	G	7	0.813	
2-丁醇	2-Butanol	C <sub>4</sub> H <sub>10</sub> O	<80	S1	1	G B E G	G	G	7	0.811	
异丁醇	Isobutanol	C <sub>4</sub> H <sub>10</sub> O	<60	S1	1	G B E G	G	G	7	0.806	
叔丁醇	tert. Butyl alcohol	C <sub>4</sub> H <sub>10</sub> O	<60,<K	S1	1	Q1 B E G	G	G	7	0.776	
丁酮(甲基乙基酮, MEK)	Butanone (methyl ethyl ketone, MEK)	C <sub>4</sub> H <sub>8</sub> O	<Kp	S1	1	Q1 B M2	G	G	7	0.805	
丁烯:	Butene (butylene):	C <sub>4</sub> H <sub>8</sub>									
1-丁烯	1-Butene	C <sub>4</sub> H <sub>8</sub>	<Kp	S1,Q3	6	A Q1 M7	T6	F	7,4,5		
顺-2-丁烯	cis_2-Butene	C <sub>4</sub> H <sub>8</sub>	<Kp	S1,Q3	6	A Q1 M7	T6	F	7,4,5		
异丁烯	Isobutene	C <sub>4</sub> H <sub>8</sub>	<Kp	S1,Q3	6	A Q1 M7	T6	F	7,4,5		
反-2-丁烯	trans_2-Butene	C <sub>4</sub> H <sub>8</sub>	<Kp	S1,Q3	6	A Q1 M7	T6	F	7,4,5		
黄油	Butter		<80	S1	1	G B P G	G	G			
奶油	Buttermilk		<80	S1	1	G B P G	G	G			
醋酸丁酯→醋酸酯	Butyl acetate→Acetic acid esters										
丁基乙醇→丁醇	Butyl alcohol→Butanol										
丁胺:	Butylamines:										
1-丁胺(1_氨基丁烷)	1-Butylamine (1_aminobutane)	C <sub>4</sub> H <sub>11</sub> N	<Kp	S1,Q3	1	Q1 B M1	G	G	H,F,R,3,6,7	0.733	
异丁胺(2-甲基-丙胺)	Isobutylamine (2_methyl_1_propylamine)	C <sub>4</sub> H <sub>11</sub> N	<Kp	S1,Q3	1	Q1 B M1	G	G	H,F,R,3,6,7	0.736	
仲丁胺(2-丁胺)	sec-Butylamine (2-aminobutane)	C <sub>4</sub> H <sub>11</sub> N	<Kp	S1,Q3	1	Q1 B M1	G	G	H,F,R,3,6,7	0.724	
丁烯→丁烯	Butylene→Butylene										

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丁醛:	Butyraldehyde:	C <sub>4</sub> H <sub>8</sub> O									
丁醛(丁醇)	Butyraldehyde (butanal)	C <sub>4</sub> H <sub>8</sub> O	<Kp	S1,Q3	1	V1 B M2	G	G	3,6,7	0.802	
异丁醛(2-甲基丙醛乙醛)	Isobutyraldehyde(2_methyl propionic aldehyde)	C <sub>4</sub> H <sub>8</sub> O	<Kp	S1,Q3	1	V1 B M2	G	G	3,6,7	0.794	
丁酸酯→丁酸酯	Butyrate→Butyric acid esters										
丁酸:	Butyric acid:										
异丁酸	Isobutyric acid	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	<60	S1	1	G B M1	G	G		0.95	
n-丁酸	n-Butyric acid	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	<60	S1	1	G B M1	G	G		0.959	
丁酸酯(丁酸酯)	Butyric acid esters (butyrate)		<100	S1	1	G B M2	G	G			
<b>C</b>	<b>C</b>										
电缆密封混合物	Cable sealing compounds		<220	S1	6	A S M7	T6	G1			
			>220	S1	6	A S G	T6	F			
		<L	<100	S1	1	V1 B E	G	G		1.5	
醋酸钙	Calcium acetate	Ca(OOCH <sub>3</sub> ) <sub>2</sub>									
亚硫酸氢钙→亚硫酸氢钙	Calcium bisulphite (lye)										
	→Calcium hydrogen sulphite										
碳酸氢钙→石灰粉悬浮液	Calcium carbonate										
	→Lime powder suspension										
氯化钙	Calcium chloride	Ca(ClO <sub>3</sub> ) <sub>2</sub>	<L	S1,Q3	1	V1 B V	G	G	6,7	2.711	
		CaCl <sub>2</sub>	<L	S1	1	V1 B V	G	G		1.68	
		CaCl <sub>2</sub>	<L	S1,Q3	1	V1 B M1	M	M	3,6		
亚硫酸氢钙 ( 蒸碱 )	Calcium hydrogen sulphite (digester lye)	Ca(HSO <sub>3</sub> ) <sub>2</sub>	L	D1	1	V1 B M1	G	G	3,6		
		Ca(HSO <sub>3</sub> ) <sub>2</sub>	L	S3,Q3	3	Q1 M1	G	G	3,6		
氢氧化钙→石灰乳	Calcium hydroxide→Lime milk										
次氯酸钙	Calcium hypochlorite	Ca(OCl) <sub>2</sub>	<L	S1,Q3	1	V1 V M2	M	M	A,2,6,8		
		Ca(OCl) <sub>2</sub>	<Kp	S3,Q3	4	Q1 M2	M	M	A,2,6,8		
硝酸钙	Calcium nitrate	Ca(NO <sub>3</sub> ) <sub>2</sub>	<L	S1,Q3	1	G B V	G	G	6	1.82	
		Ca(NO <sub>3</sub> ) <sub>2</sub>	<100	S1	5	Q1 V	G	G	6		
磷酸钙 ( 浆 )	Calcium phosphates (sludges)	Ca(PO <sub>3</sub> ) <sub>4</sub>	F25	S3,Q3	3	Q1 M1	G	G			
硫酸钙 ( 悬浮液 )	Calcium sulphate (suspension)	CaSO <sub>4</sub>	<Kp	S3,Q3	3	Q1 V	G	G			



## 密封选型 (Mechanical Seals Types)

Media		Recommended Mechanical Seals					Additional Medium Information						
		Code of Materials and legend seeinside of back cover.	Chemical Formula	Concentration (%)	Temp. (°C)	Arrangement	Materials to EN12756						
							Seal Type	I Seal Face	II Stat. Face	III Sec. seal	IV Spring	V Others	Hazard reference
1	2	3	4	5	6	7	8	9					
糖汁	Clairce → Sugar juices												
氯化联(二)苯	Clopher → Chlorinated biphenyls												
煤泥, 矿泥	Coal sludge												
煤焦油(选择性的清除泄漏)	Coal tar (remove leakage selectively)	-	<60	S1	1	U1	U1	P	G	G			
可可奶油	Cocoa butter (cacao butter)	Sch	<180	S1,Q2	1	G	B	M1	G	G		C1.6	1.1
椰子脂	Cocount fat	-	<100	S1	1	G	B	V	G	G			0.975
椰子油	Cocount oil	-	>30 < TG	S1	1	G	B	V	G	G			0.88---0.9
鳕鱼肝油	Cod-liver oil	-	<160	S1	1	G	B	V	G	G			
咖啡(精炼)	Coffee (extract)	L	<Kp	S1	1	G	B	V	G	G			0.92---0.93
Coln	Coim	-	<60	S1	1	Q1	Q1	V	G	G			
炼焦炉气	Coke oven gas	-	<30	S1	1	G	B	V	G	G			
冷铸油漆	Cold zinc paint	<L	<160	D1	1	V1	B	V	G	G		C1.1	
菜籽油	Colza oil	-	<60	D1	1	G	B	E	G	G			3.4
冷凝奶	Condensated milk	-	<100	S1	1	G	B	V	G	G			
冷却盐水→氯化钙	Cooling brine→Calcium chloride	-	<Kp	S1	1	G	B	V	G	G			
氯化铜	Copper chlorides												
醋酸铜	Cupric acetate	<L	<40	S1	1	G	B	E	G	G			1.882
氯化亚铜	Cuprous chloride	<L	<Kp	D1	1	V1	B	E	G	G			4.14
氯化铜	Cupric chloride	<L	<Kp	D1	1	V1	B	E	G	G			3.386
氯化铜悬浮物	Cupric cyanide suspension	<10	<Kp	D1	1	V1	B	M1	G	G			2.92
硝酸铜	Cupric nitrate	<L	<60	S1	5	Q1	Q1	E	G	G			
硝酸铜(蓝矾)	Cupric sulphate (blue vitriol)	<L	<Kp	D1	1	Q1	Q1	M1	G	G			
谷类浆	Corn mash	<L	<Kp	S1	5	Q1	Q1	E	G	G			3.603
玉米油	Corn oil	-	<Kp	S1	1	G	B	V	G	G			0.91---0.93
棉籽油	Cottonseed oil	-	<100	S1	1	G	B	V	G	G			0.92
奶油	Cream	-	<120	S1	1	G	B	V	G	G			
木材防腐油(杂酚油)	Creosot	-	<60	S1	1	G	B	V	G	G			
甲酚	Creosols	-	<Kp	S1	1	G	B	M1	G	G			1.08---1.09

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							Seal Type	I Seal Face	II Stat. Face	III Sec. seal	IV Spring	V Others	Hazard reference
1	2	3	4	5	6	7	8	9					
对-甲酚	p-Cresol												
间-甲酚	m-Cresol	Sch	<Kp	D1	1	V1	A	M1	G	G			1.018
邻-甲酚	o-Cresol	Sch	<Kp	D1	1	V1	A	M1	G	G			1.046
原油, 不含固体颗粒	Crude oil, free from solid particles	-	<Kp	D1	1	V1	A	M1	G	G			1.035
原油, 凝纯	Crude oil, refined	-	<100	S1	1	G	B	V	G	G			
原油, 含沙	Crude oil, with sand	-	<80	S1	1	G	B	V	G	G			
原油 + 盐水	Crude oil+salt water	-	<100	S1	1	Q1	Q1	V	G	G			
粗肥皂	Crude soap	-	<25	S1	1	V1	B	V	G	G			
人造水晶石(悬浮液)	Cryolith(suspension)	<30	> F < 100	S1	1	G	B	V	G	G			
异丙基苯	Cumol(isopropylbenzene)		<Kp	S3,Q3	3	Q1	Q1	E	G	G			2.95
凝乳	Curd	-	<Kp	D1	1	V1	B	M1	G	G			0.864
切削液→金属清洗剂	Cutting fluid→Metal working lubricants	-	<60	S1	1	G	B	V	G	G			
氰化钾→氰化钾	Cyanide of potassium→Potassium cyanide												
环己烷	Cyclohexane	-	<Kp	S1	1	G	B	V	G	G			0.788
环己醇	Cyclohexanol	-	> F < Kp	S1,Q3	1	G	B	M1	G	G			0.962
环己酮	Cyclohexanone	-	<Kp	S1,Q3	1	G	B	M1	G	G			0.964
对系叔花烷(对异丙基甲苯)	Cymene p (isopropyl-methyl-benzene)	-	<Kp	S1,Q3	1	G	B	M1	G	G			0.802
D	D	-	<60	S1	1	V1	B	V	G	G			0.86
十氟化萘→萘烷	Decahydronaphthalene→Decalin												
萘烷(氯化萘)	Decalin (decahydronaphthalene)												
萘烷	cis-Decalin	-	<Kp	S1,Q3	1	G	B	M1	G	G			0.866
反萘烷	trans-Decalin	-	<Kp	S1,Q3	1	G	B	M1	G	G			0.87
工业酒精→乙醇	Denaturated alcohol→Ethanol												
脱盐水→水	Desalinated water→Water												
聚醚基丙烯酸酯类粘剂R	DesmodurR	-	<Kp	D1	1	G	B	M1	G	G			
聚醚基丙烯酸酯粘剂T	DesmodurT	-	<Kp	D1	1	G	B	M1	G	G			



# 密封选型 (Mechanical Seals Types)

Media		Recommended Mechanical Seals					Additional Medium Information						
		Arrangement	Seal Type	Materials to EN12756					Hazard reference	Density (g/cm <sup>3</sup> )			
				I	II	III	IV	V					
Code of Materials and legend see inside of back cover.		Chemical Formula	Concentration (%)	Temp. (°C)	Seal Type	Stat. Face	Stat. Face	Spring	Others				
<b>1</b>		<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>		<b>8</b>	<b>9</b>			
硫酸二甲酯	Dimethyl sulfate	C <sub>2</sub> H <sub>6</sub> O <sub>4</sub> S	-	<Kp	D1	1	G	B	M1	G	G	C2,H,A,G	1.38
二甲亚砜(DMSO)	Dimethyl sulfoxide (DMSO)	C <sub>2</sub> H <sub>6</sub> OS	-	<60	S1	1	G	B	V	G	G		1.104
对酞酸二甲酯(DMT)	Dimethyl terephthalate (DMT)	C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	<L	<60	S1	1	G	B	M1	G	G		
		C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	Sch	>F<Kp	S1	6	A	S	G	T6	F		
酞酸二壬基酯→叔酞酯	Phthalic acid ester												
酞酸二辛酯(DOP)→叔酞酯	Diocetyl phthalate(DOP)→Phthalic acid esters												
二茂烯	Dipentene	C <sub>10</sub> H <sub>16</sub>	-	<60	S1	1	G	B	V	G	G	R	0.841
酞酸二戊基酯→叔酞酯	Dipentyl phthalate→Phthalic acid esters												
联苯-联苯醚→传热油	Diphenyl,diphenyl ether→Heat transfer oils												
狄非尔埃热剂→传热油	Diphenyl→Heat transfer oils												
蒸馏水→水	Distilled water→Water												
双氯化二硫→氯化硫	Disulfur decafluoride→Sulfur fluorides												
二氯化二硫→氯化硫	Disulfur dichloride→Sulfur chlorides												
二氯化二硫→氯化硫	Disulfur difluoride→Sulfur fluorides												
一丁二烯类(m-)	Divinyl benzene(m-),(vinyl styrene	C <sub>10</sub> H <sub>10</sub>	-	<Kp	S1,Q3	1	V1	B	M1	G	G	X,R	0.9289
十二(统)基苯	Dodecyl benzene	C <sub>18</sub> H <sub>38</sub>	-	<60	S1	1	G	B	V	G	G		0.863
导热媒热剂→传热油	Dowtherm→Heat transfer oils												
饮用水→水	Drinking water, industrial water→Water												
染料溶液(加漂白剂)	Dye liquor with bleaching additives		-	<160	S1	1	Q1	B	M1	G	G		
染料溶液(不加漂白剂)	Dye liq. without bleaching additives		-	<140	S1	1	G	B	V	G	G		
<b>E</b>	<b>E</b>												
食用油	Edible oil		-	<100	S1	1	G	B	V	G	G		
蛋糊	Egg flip		-	<Kp	D1	1	G	B	V	G	G	3,4	
蛋黄	Egg yolk		-	<Kp	S1,Q3	1	G	B	V	G	G	3,4	1.08
电泳漆	Electrophoretic varnishes		Sus		D2	X	Q1	Q1	V	T6	F		
搪瓷涂料	Enamel slip		Sus	<40	D1	5	Q1	Q1	P	G	G	4	
增稠底料	Engobes (special clays)		Sus	<40	D1	5	Q1	Q1	P	G	G	4	
氧甲代氧丙环(ECH)	Epichlorohydrine (ECH)		-	<Kp	D1	1	G	B	M2	G	G	C2,H,R,G	1.18
环氧树脂及清漆	Epoxy resins and lacquers		Sus	<Kp	D1	1	V1	B	M1	G	G	4.3	

# 密封选型 (Mechanical Seals Types)

Media		Recommended Mechanical Seals					Additional Medium Information						
		Arrangement	Seal Type	Materials to EN12756					Hazard reference	Density (g/cm <sup>3</sup> )			
				I	II	III	IV	V					
Code of Materials and legend see inside of back cover.		Chemical Formula	Concentration (%)	Temp. (°C)	Arrangement	Seal Type	Stat. Face	Stat. Face	Spring	Others			
<b>1</b>		<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>		<b>8</b>	<b>9</b>			
精油-挥发油	Essential oils→Volatile oils												
Essotherm→传热油	Essotherm→Heat transfer oils												
酯(不确定),也涉及叔酞酯	Esters(not specified);also refer to →Acetic acid esters		-	<Kp,TG	S1,Q3	1	G	B	M2	G	G	(7),0	
乙醚→乙醚	Ethanal →Acetaldehyde												
乙烷	Ethane	C <sub>2</sub> H <sub>6</sub>	-	<60	D1	1	G	B	V	G	G	1,7	(+)
乙二胺→乙二胺	Ethane diamine→Ethylene diamine												
乙二胺→甘醇	Ethanediol →Ethylene glycol												
乙醇	Ethanol	C <sub>2</sub> H <sub>5</sub> OH	-	<Kp	S1	1	G	B	E	G	G	7	0.794(15)
乙醇胺→氨基乙醇	Ethanolamines→Amino ethanol												
乙烯→乙烯	Ethene→Ethylene												
乙烯基...乙烯基	Ethylenyl...→Vinyl...												
乙醚→二乙醚	Ether→Diethyl ether												
磺酸乙醚	Ether sulfates		-	<60	S1	1	G	B	V	G	G		
磺酸乙酯→磺酸乙基酯	Ethyl acetate→ Acetic acid ethyl ester												
乙酞醋酸乙酯	Ethyl acetoacetate	CH <sub>3</sub> COCH <sub>2</sub> CO <sub>2</sub> C <sub>2</sub> H <sub>5</sub>	-	100	S1	1	V1	B	M2	G	G		1.025
丙烯酸乙酯→丙烯酸乙基酯	Ethyl acrylate→ acrylic esters												
乙醇→乙醇	Ethyl alcohol→Ethanol												
乙基胺	Ethyl amine (amino ethane)	C <sub>2</sub> H <sub>7</sub> N	-	<60	D1	1	G	B	E	G	G	R <sub>1</sub> ,1,7	1+
乙基苯	Ethyl benzene	C <sub>8</sub> H <sub>10</sub>	-	<Kp	S1,Q3	1	G	B	M1	G	G	H,R,7	0.867
乙基氯(氯乙烷,氯乙醇)	Ethyl chloride (chloroethane,chloroethyl)	C <sub>2</sub> H <sub>5</sub> Cl	-	<60	D1	1	V1	B	M1	G	G	1,7	-1
乙醚→二乙醚	Ethyl ether→Diethyl ether												
甲酸乙酯→甲酸乙酯	Ethyl formiate→Formic acid ethyl esters												
乙基己醇(异辛醇)	Ethyl hexanol (isooctanol)	C <sub>8</sub> H <sub>18</sub> O	-	<100	S1	1	G	B	V	G	G		0.834
乙烷(乙烷)	Ethylene (ethene)	C <sub>2</sub> H <sub>4</sub>	-	<-20	D1	6	A	Q1	V	T6	G1	1,7	(-)
溴化乙烷→二溴乙烷	Ethylene bromide												
氯化乙烷→二氯乙烷	Ethylene chloride→Dichloroethane												
2-氯乙醇(2-氯乙醇)	Ethylene chlorohydrine	C <sub>2</sub> H <sub>4</sub> ClO	-	<Kp	D1	1	G	B	M1	G	G	G,H,R	1.197
乙二胺	Ethylene diamine	C <sub>2</sub> H <sub>8</sub> N <sub>2</sub>	-	<60	S1,Q3	1	G	B	E	G	G	A,H	0.9

## 密封选型 (Mechanical Seals Types)

Media		Recommended Mechanical Seals					Additional Medium Information						
		Code of Materials and legend seeinside of back cover.	Chemical Formula	Concentration (%)	Temp. (°C)	Arrangement	Materials to EN12756					Hazard reference	Density (g/cm <sup>3</sup> )
							I	II	III	IV	V		
1	2	3	4	5	6	7	8	9					
二氯化乙烷→二氯乙烷	Ethylene dichloride→Dichloroethanes												
乙二醇	Ethylene glycols:												
二甘醇	Diethylene glycol	C <sub>4</sub> H <sub>10</sub> O <sub>3</sub>	-	<100	S1	1	G	B	E	G	G		1.12
乙二醇 (1,2-乙基二醇, 乙二醇)	Ethylene glycol (1,2-ethanediol, glycol)	C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>	-	<100	S1,Q3	1	G	B	E	G	G	H,X	1.113
四甘醇	Tetraethylene glycol	C <sub>8</sub> H <sub>18</sub> O <sub>5</sub>	-	<100	S1	1	G	B	E	G	G		1.128
三甘醇	Triethylene glycol	C <sub>6</sub> H <sub>14</sub> O <sub>4</sub>	-	<100	S1	1	G	B	E	G	G		1.1274
环氧乙烷	Ethylene oxide	C <sub>2</sub> H <sub>4</sub> O	-	<60	D1	1	G	B	M2	G	G	C2,G,H,R,6,7	(-)
F	F												
粪(便)	Faeces(feces)		-	<60	S1	1	Q1	Q1	V	G	G		
脂肪及脂油	Fats and fatty oils		-	<200	S1	1	G	B	M1	G	G		
脂肪醇	Fatty alcohols		-	> F, < Kp	S1	1	V1	B	M1	G	G		
脂肪酸(亚尔油)	Fatty acids (tall oil)		-	> 200	S1,Q3	6	A	Q1	G	M5	M		
脂肪醇的硫酸酯	Fatty alcohol sulfates		<L	<Kp, >K	S1	1	V1	B	V	G	G		
脂肪醇醚	Fatty alcohols		-	<100	S1	1	G	B	V	G	G		
磷酸铁无机酸溶液	Fe-phosphate sol. in mineral acids		L	<100	D1	1	V1	B	M1	G	G	2,0	2.87
氰铁酸盐	Ferricyanides		<L	<Kp, >K	S1	1	V1	B	E	G	G		
抛光剂, 修饰剂	Finishing agents, dressing agents		-	< Kp	S1	1	G	B	V	G	G		0.87---0.88
冷杉油	Fir needle oils		-	<60	S1	1	G	B	V	G	G		
鱼胶	Fish glue		-	<60	S1,Q3	1	G	B	V	G	G	3	
鱼肝油	Fish liver oils		-	<100	S1	1	G	B	V	G	G		
鱼肉	Fish meal		Sus	<60	S3	1	Q1	Q1	V	G	G		
鱼废料	Fish offals		Sus	<60	S3	1	Q1	Q1	V	G	G		
鱼油	Fish oils		-	<100	S1	1	G	B	V	G	G		
鱼泥浆	Fish slurry		Sus	<60	S3	1	Q1	Q1	V	G	G		
定影剂	Fixative		<L	<60	S1,Q3	1	G	B	M1	G	G	3	
定影液(酸性)	Fixing bath,acidous		-	<60	S1	1	G	B	V	G	G		
烟道气脱硫设备(FGD)	Flue gas desulphurization plants (FGD)												
所有酸的悬浮液	all acid suspensions		<25	<80	S3	3	Q1	Q1	V	M	M		
氟硼酸	Fluoroacetic acid	C <sub>2</sub> H <sub>3</sub> FO <sub>2</sub>	<L	<Kp	D1	1	V1	B	M1	G	G	G,2	1.369

## 密封选型 (Mechanical Seals Types)

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							I	II	III	IV	V		
1	2	3	4	5	6	7	8	9					
氟硼酸	Fluoroboric acid	HF <sub>3</sub>	-	<60	D1	1	Q1	Q1	M1	G	G	G,A,2	
氟硅酸	Fluorosilicic acid	H <sub>2</sub> (SiF <sub>6</sub> )	-	<60	D1	1	Q1	B	M1	G	G	A,2	
甲醛	Formaldehyde (methanal)	H <sub>2</sub> (SiF <sub>6</sub> )	<30	<25	S1	5	Q1	Q1	V	M5	M		
甲醛水(福尔马林)	Formalin	HCHO	-	<100	D1	1	V1	B	M2	G	G	C3,S,1,3	(+)
甲酰胺	Formamide	HCHO	~40	<Kp	S1,Q3	1	V1	B	M2	G	G	G,R	40% 1.122
甲酸	Formic acid	CH <sub>3</sub> NO	-	<60	S1	1	G	B	E	G	G		1.13
甲酸乙基酯(甲酸乙酯)	Formic acid ethyl esters (ethyl formiate)	HCOOH	-	TG	D1	1	V1	B	M2	G	G	A,2	100% 1.22
甲酸甲基酯(甲酸甲酯)	Formic acid methyl ester (methyl formiate)	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	-	<Kp	S1,Q3	1	G	B	M2	G	G	7	0.917
		HCOOH	-	<80	S1	1	V1	B	M2	M5	M	A	0.976
		HCOOH	<30	<60	S1	1	V1	B	M2	G	G	A	
		HCOOH	>30	<30	S1	1	V1	B	M2	G	G	A	
		HCOOH	>80	<40	S1	1	V1	B	M2	G	G	A	
		HCOOH	>90	<50	S1	1	V1	B	M2	G	G	A	
n 甲酸四胺	Formyl morpholine n-	C <sub>3</sub> H <sub>8</sub> NO <sub>2</sub>	-	<80	S1	1	G	B	M1	G	G		1.15
(4-对氧氮己环醚)	(4-morpholine aldehyde,NFM)												
氟利昂→致冷剂	Freon → Refrigerants												
新淤泥(污水厂)	Fresh sludge (sewage works)		-	<60	S1	2	Q12	Q12	V	G	G		
氟里根→致冷剂	Frigen→ Refrigerants												
水果汁	Fruit juices		-	<60	S1	1	S	B	V	G	G		
水果泥	Fruit mash→ Mashses												
水果浆	Fruit pulp→ Mashses												
燃料油:	fuel oils:												
燃料油(底)	Fuel oil (bitorns)		-	<120	S1	1	Q1	Q1	V	G	G		
燃料油EL	Fuel oil EL		-	<120	S1	1	Q1	Q1	V	G	G		<0.86(15)
燃料油L	Fuel oil L		-	<120	S1	1	Q1	Q1	V	G	G		<1.10(15)
燃料油M	Fuel oil M		-	<120	S1	1	Q1	Q1	V	G	G		<1.20(15)
燃料油S	Fuel oil S		-	<120	S1	1	Q1	Q1	V	G	G		
富马酸	Fumaric acid	C <sub>4</sub> H <sub>4</sub> O <sub>4</sub>	<L	<100	S1	1	Q1	Q1	V	G	G		1.625



## 密封选型 (Mechanical Seals Types)

Code of Materials and legend seeinside of back cover.		Media					Recommended Mechanical Seals					Additional Medium Information	
		Chemical Formula	Concentration (%)	Temp. (°C)	Arrangement	Seal Type	Materials to EN12756					Hazard reference	Density (g/cm³)
							I	II	III	IV	V		
<b>1</b>		<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>				
氢溴酸, 溴化氢	HBr·2H <sub>2</sub> O	-	<Kp	D1	1	Q1	M1	G	G	G.A.R.2,6	1.5		
盐酸	HCl	0.04	<20	S1,Q3	1	V1	B	V	G	A,2	1.05		
	HCl	<2	<65	S1,Q3	1	V1	B	V	M	A,2	1.1		
	HCl	<10	<25	S1,Q3	1	V1	B	V	M	A,B,2	1.12		
	HCl	<35	<20	S1,Q3	1	V1	B	V	M	A,B,2	1.14		
	HCl	-	<80	D1	1	V1	B	V	G	A,R,2	1.16		
	HCl										1.18		
	HCl										1.2		
氢氰酸	HCN	-	<Kp	D1	1	V1	B	E	G	H,G,7	0.687		
氢氟酸	HF	<40	<20	S1,Q3	1	Q1	B	M1	M	G,A	1.13		
	HF	<20	<30	S1,Q3	1	Q1	B	M1	M	G,A			
	HF	-	<10	S1,Q3	1	Q1	B	M1	M	G,A			
	HF	-	<Kp	D1	1	Q1	B	M1	M	G,A,2			
氢氟硅酸→氟硅酸 →Fluorosilicic acid													
氢	H <sub>2</sub>	-	<60	D1	1	G	B	E	G	1,7	(-)		
氯化氢	HCl	-	<60	D1	1	V1	B	M1	G	G,1,2,3	(+)		
氟化氢(gas)	HF	-	<60	D1	1	Q1	B	M2	G	G,A,1,2	(+)		
碘化氢	HI	-	>-20	D1	1	Q1	Q1	M1	G	G,A,1	(+)		
过氧化氢	H <sub>2</sub> O <sub>2</sub>	<80	<Kp	D1	1	Q1	Q1	M1	G		1.4487		
	H <sub>2</sub> O <sub>2</sub>	<60	<60	S1	1	Q1	Q1	M1	G				
磷化氢(磷酰基、磷化氢)	PH <sub>3</sub>	-	<60	D1	1	V1	B	M1	G	G,1	(+)		
硫化氢	H <sub>2</sub> S	-	<100	D1	1	V1	B	M1	G	G,7,1	(+)		
羟甲基丙酮→丙酮肟醇 →Acetone cyanohydrin													
次氯酸	HOCl	-	<40	D1	1	V1	B	V	G				
<b>I</b>													
冰淇淋				E1	1	G	B	V	G				
杀虫剂、杀虫药(水溶液)		<L	<Kp	S1,Q3	1	G	B	V	G	G,X,6			

## 密封选型 (Mechanical Seals Types)

Code of Materials and legend seeinside of back cover.		Media					Recommended Mechanical Seals					Additional Medium Information	
		Chemical Formula	Concentration (%)	Temp. (°C)	Arrangement	Seal Type	Materials to EN12756					Hazard reference	Density (g/cm³)
							I	II	III	IV	V		
<b>1</b>		<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>				
绝缘漆	Insulating lacquers		Sch	<200	D1	1	G	A	M1	G	G	3,4	
碘	Iodine	I	Sch	<Kp	D1	1	Q1	Q1	M1	G	G	X,4,6	4.93
碘仿(三碘甲烷)	Iodoform (triiodine methane)	CHI <sub>3</sub>	Sch	<200	D1	1	Q1	Q1	M1	G	G	4,6	4.008
氯化铁 (FeCl <sub>3</sub> or FeCl <sub>2</sub> )	Iron chlorides (FeCl <sub>2</sub> or FeCl <sub>3</sub> )		<15	<25	S1	1	Q1	Q1	E	M	M		
			<L	<Kp	D1	1	V1	G	E	G	G		
硫酸铁	Iron sulfates:												
二价硫酸铁(硫酸亚铁)	Iron(II) sulfate (ferrous sulfate)	FeSO <sub>4</sub>	<L	<80	S1	5	Q1	Q1	V	G	G		
三价硫酸铁(正硫酸铁)	Iron (III) sulfate (ferric sulfate)	Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	<L	<80	S1	5	Q1	Q1	V	G	G		
异...者→...	iso...also see → ..												
异丙醇 [2]-异冰片(2-桂茨醇)	isoborneol (2-exo-borneol)	C <sub>10</sub> H <sub>18</sub> O	<L	<Kp	S1	1	G	B	M1	G	G		
醇醚异丁→醇醚	isobutyl acetate												
异氰酸酯	isocyanates												
异辛烷(2,2,4-三甲基戊烷)	isooctane (2,2,4-trimethyl pentane)	C <sub>10</sub> H <sub>18</sub>	Sch	<200	D1	1	V1	B	M2	G	G	G,R	
异辛醇(2-乙基-1-辛醇)→乙基己醇	isooctanol (2-ethyl-1-hexanol) → Ethyl hexanol	C <sub>10</sub> H <sub>18</sub> O		<40	S1	1	G	B	V	G	G	7	0.692
异戊烷→戊烷	isopentane → Pentanes	C <sub>5</sub> H <sub>12</sub>											
异佛尔酮	isophoron												
(3,5,5-三甲基-2-环己烯-1-酮)	(3,5,5-trimethyl-2-cyclohexene-1-on)	C <sub>9</sub> H <sub>14</sub> O	-	<40	S1,Q3	1	G	B	E	G	G	R	0.92
异丙醇→2-丙醇	isopropanol → 2-Propanol	C <sub>3</sub> H <sub>8</sub> O											
异丙基→丙基	isopropyl...→ Propyl...												
异丙醇→2-丙醇	isopropyl alcohol → 2-Propanol												
异丙基甲基苯→叔花烃	isopropyl methyl benzenes												
异丙基苯→异丙苯	isopropylbenzene → Cumol												
<b>J</b>	<b>J</b>												
果浆	Jams, marmalades		-	<100	S1	1	V1	B	V	G	G		
喷气式发动机燃料IP4,IP5	Jet fuel IP4,IP5		-	<40	S1	1	V1	B	V	G	G	7	0.75---0.84
<b>K</b>	<b>K</b>												
贝壳树脂→胶水	Kaurit → Glues												
煤油	Kerosene		-	<100	S1	1	V1	B	V	G	G		-0.8
番茄酱	Ketchup		-	<80	S1,Q3	1	V1	B	E	G	G	3	

## 密封选型 (Mechanical Seals Types)

Media		Recommended Mechanical Seals					Additional Medium Information				
		Code of Materials and legend seeinside of back cover.	Chemical Formula	Concentration (%)	Temp. (°C)	Arrangement	Materials to EN12756				
							Seal Type	I Seal Face	II Stat. Face	III Sec. seal	IV Spring
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>			
食用盐	Kitchen salt → Sodium chloride										
氟	Krypton	Kr	<160	D1	1	G B M1	1	(+)			
L	Lacquer solvents		<Kp	S1	1	G B M1					
漆	Lacquers		<Kp	D1	1	V1 B M1	3,4				
乳酸	Lactic acid	C <sub>3</sub> H <sub>5</sub> O <sub>3</sub>	<L	S1	1	G B V	Konz.A	1.208			
乳糖	Lactose (milk sugar)	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	<L	S1	1	V1 B V		1.525			
	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>		<20	S1	5	Q1 Q1 V					
猪油	Lard		Sch	S1	1	G B V					
胶乳(需说明)	Latex(specification necessary)		<100	S3,Q3	X	U2 V M1	3,4				
薰衣草油	Lavender oil		<Kp	S1	1	G B V		0.88			
葡萄糖(II)(粘糊)	Lead(II) acetate (lead sugar)	(CH <sub>3</sub> COO) <sub>2</sub> Pb	<L	S1	1	G B E		2.5			
Lead sugar→Lead(II)acetate	Lead sugar → Lead (II) acetate										
卵磷脂	Lecithine		<100	S1	1	G B M1					
柠檬糖浆	Lemonade syrup		<60	S2	1	V1 B V					
柠檬水	Lemonades		<60	S2	1	G B V					
木素磺酸	Lignine sulfonic acid (lignine hydrogen sulfite)		<L	D1	1	V1 B M1	4				
樟脑焦油	Lignite tar oil		<140	S1	1	G B V		0.85--1.0			
			<200	S1	1	G A M1					
石灰乳(氢氧化钙悬浮液)	Lime milk (suspension of calcium hydroxide)	Ca(OH) <sub>2</sub>	<10	S1	5	Q1 Q1 V		2.23			
		Ca(OH) <sub>2</sub>	<10	S1,Q3	2	Q12 Q12 V	6				
		Ca(OH) <sub>2</sub>	<50	S3	3	Q1 Q1 V					
石灰粉悬浮液(碳酸钙)	Lime powder suspension (calcium carbonate)	CaCO <sub>3</sub>	<10	S1	5	Q4 Q4 V		2.85			
		CaCO <sub>3</sub>	<10	S1,Q3	2	Q12 Q12 V	6				
		CaCO <sub>3</sub>	<50	S3	3	Q1 Q1 V					
澄清汁→糖汁	Limed juice → Sugar Juices										
亚麻子油	Linseed oil		<60	S1	1	G B V		0.92--			
纤维纤维	Liters		<Kp	D1	1	V1 B V		0.94			
液化气体(符合DIN51622)	Liquefied gas acc. To DIN 51622		<Kp	S1	1	Q12 A V	7				

## 密封选型 (Mechanical Seals Types)

Media		Recommended Mechanical Seals					Additional Medium Information				
		Code of Materials and legend seeinside of back cover.	Chemical Formula	Concentration (%)	Temp. (°C)	Arrangement	Materials to EN12756				
							Seal Type	I Seal Face	II Stat. Face	III Sec. seal	IV Spring
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>			
甜酒, 甜葡萄酒	Liqueurs, liqueur wines		<60	S1	1	G B V					
液体...→...液体	Liquid...→...liquid										
(蒸馏)酒→乙醇	Liquor→Ethanol		<Kp	D1	1	G B V	4				
甘草	Liquorice		<40	S1	1	Q1 B V		3.465			
溴化锂	Lithium bromide	LiBr·H <sub>2</sub> O	<L	S1	1	V1 B V		2.068			
氯化锂	Lithium chloride	LiCl	<L	D1	1	V1 B M1	2				
肝香肠团	Liver sausage mass		<60	S1	1	G B V					
润滑油	Lubrication oils		>F<140	S1	1	G B V					
Lysoform +7.7%→甲醛	Lysoform + 7.7% →Formaldehyde										
来苏儿	Lysol		<60	S1	1	V1 B V					
M	M										
m...→...m...→...→...	m...→...meta...→...→...										
二硫化镁→亚硫酸镁	Magnesium bisulfite →Magnesium hydrogen sulfite										
氯化镁	Magnesium chloride	MgCl <sub>2</sub>	<30	S1	1	V1 B V		2.31--2.33			
		MgCl <sub>2</sub>	<L	S1	1	V1 B V	M				
亚硫酸氢镁	Magnesium hydrogen sulfite		<L	D1	1	V1 B M1					
氢氧化镁	Magnesium hydroxide	Mg(OH) <sub>2</sub>	<10	S1	1	U1 E		2.36			
		Mg(OH) <sub>2</sub>	<20	S1	1	Q1 E					
		Mg(OH) <sub>2</sub>	<40	D1	1	Q1 E					
硝酸镁	Magnesium nitrate	Mg(NO <sub>3</sub> ) <sub>2</sub> ·6H <sub>2</sub> O	<L	S1	1	V1 B M1		1.64			
硫酸镁	Magnesium sulfate	MgSO <sub>4</sub>	<L	S1	1	V1 B V		2.66			
马来酸	Maleic acid	C <sub>4</sub> H <sub>4</sub> O <sub>4</sub>	<100	S1	1	V1 B V		1.59			
苹果酸	Malic acid (hydroxysuccinic acid)	C <sub>4</sub> H <sub>6</sub> O <sub>5</sub>	<L	S1	1	G B E					
丙二酸	Malonic acid	C <sub>3</sub> H <sub>4</sub> O <sub>4</sub>	<L	S1	1	V1 B M2	R	1.519			
硫酸锰	Manganese sulfates:										
氯化锰(II)	Manganese (II)-chloride	MnCl·4H <sub>2</sub> O	<L	D1	1	V1 B M1	2	2.977			
硝酸锰(II)	Manganese (II)-nitrate	Mn(NO <sub>3</sub> ) <sub>2</sub> ·6H <sub>2</sub> O	<L	S1	1	V1 B E		1.82			
硫酸锰(II)	Manganese (II)-sulfate	MnSO <sub>4</sub>	<L	S1	1	V1 B M1		3.25			



## 密封选型 (Mechanical Seals Types)

Code of Materials and legend seeinside of back cover.		Media				Recommended Mechanical Seals					Additional Medium Information		
		1	2	3	4	Arrangement	Materials to EN12756					Hazard reference	Density (g/cm <sup>3</sup> )
							I	II	III	IV	V		
二氟甲烷(甲叉二氟)	Methylene chloride	CH <sub>2</sub> Cl <sub>2</sub>	-	<80	D1	1	V1	B	M1	G	G	8	1.325
N_甲基-2,2'-亚氨基二乙醇 (甲基二乙醇胺)	N-Methyl-2,2'-imino diethanol (methyl diethanolamine)	C <sub>8</sub> H <sub>19</sub> NO <sub>2</sub>	-	<180	S1,Q3	1	Q1	B	M2	G	G	R	1.04
牛奶	Milk		-	<40	S1	1	G	B	V	G	G		
乳糖-乳糖	Milk suga → Lactose		-	<80	S1	1	G	B	V	G	G		
矿物油	Mineral oils		-	<60	S1	1	G	B	V	G	G		
润滑油	Miscella		-	<100	S1,Q3	1	Q12	Q12	V	G	G	3,4	
Mobiltherm-传热油	Mobiltherm → Heat transfer oils												
糖蜜	Molasses												
单-...-...-...-...-...	Mono-...-...-...-...-...												
甲乙醇胺-2_氨基乙醇	Monoethanolamine → 2-amino ethanol												
泥浆	Mud		Sus	<40	S3,Q3	3	Q2	Q2	V	M	G		
芥末	Mustard		-	<60	S1,Q3	1	Q1	Q1	V	G	G		
芥末酱	Mustard mash → Mashies												
N	N												
石油油	Naphtha		-	<Kp	S1	1	G	B	M1	G	G		
萘	Naphthalene	C <sub>10</sub> H <sub>8</sub>	Sch	<Kp	S1,Q3	1	G	B	M1	G	G	R	1.02--1.25
环烷酸	Naphthenic acids		-	<60	S1	1	V1	B	V	G	G		
蒽醌染料	Naphthol dyes		<L	<140	S1	1	V1	B	V	G	G		
蒽醌染料	Naphthol dyes		<L	<140	S1	1	V1	B	V	G	G		
氨基苯	Naphthylamines:												
1_萘胺	1-Naphthylamine	C <sub>10</sub> H <sub>9</sub> N	Sch	<150	S1	1	V1	B	M2	G	G	X	1.13
2_萘胺	2-Naphthylamine	C <sub>10</sub> H <sub>9</sub> N	<L	<Kp	D1	1	V1	B	M2	G	G	C1,H,G	1.216
天然气	Natural gas		-	<60	D1	1	G	A	V	G	G	1,7	
氖	Neon	Ne	-	<80	D1	1	G	B	N	G	G	1	(-)
新戊烷(2,2_二甲基丙烷)→戊烷	Neopentane (2,2-dimethyl propane) → Pentanes												
NFM → n_甲酰胺	NFM → n-Formyl morpholine												
氯化镍(II)	Nickel (II)-chloride	NiCl <sub>2</sub>	<L	<Kp	D1	1	V1	B	M1	G	G	G,2	3.55
硫酸镍(II)	Nickel (II)-sulfate	NiSO <sub>4</sub>	<L	<Kp	D1	1	V1	B	M1	G	G	G	3.68

## 密封选型 (Mechanical Seals Types)

Code of Materials and legend seeinside of back cover.		Media				Recommended Mechanical Seals					Additional Medium Information		
		1	2	3	4	Arrangement	Materials to EN12756					Hazard reference	Density (g/cm <sup>3</sup> )
							I	II	III	IV	V		
硝酸	Nitric acid		-	<80	D1	1	V1	B	M1	G	G	8	9
硝酸	Nitric acid	HNO <sub>3</sub>	<40	<20	S1,Q3	1	V1	B	M1	G	G	A,8	10%1.054
		HNO <sub>3</sub>	<30	<90	S1,Q3	1	Q1	Q1	M1	G	G	A,8	20%1.115
		HNO <sub>3</sub>	<50	<80	S1,Q3	1	Q1	Q1	M1	G	G	A,8	30%1.180
		HNO <sub>3</sub>	<60	<70	S1,Q3	1	Q1	Q1	M1	G	G	A,8	40%1.246
		HNO <sub>3</sub>	<70	<60	S1,Q3	1	Q1	Q1	M1	G	G	A,8	50%1.310
		HNO <sub>3</sub>	<80	<50	S1,Q3	1	Q1	Q1	M1	G	G	A,8	60%1.367
		HNO <sub>3</sub>	<90	<30	S1,Q3	1	Q1	Q1	M1	G	G	A,8	70%1.413
		HNO <sub>3</sub>	>90	<120	D1	1	Q1	Q1	M1	G	G	A,2,8	80%1.452
		HNO <sub>3</sub>											90%1.483
		HNO <sub>3</sub>											100%1.513
硝基苯	Nitrobenzene	C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub>	-	<80	D1	1	V1	B	M1	G	G	G,H	1.19867
硝基氯仿 → 三氯硝基甲烷	Nitrochloroform → Trichloronitromethane												
氮	Nitrogen	N <sub>2</sub>	-	<100	D1	1	G	B	E	G	G	1	(-)
硝化甘油	Nitroglycerin		-	<60	D1	1	G	B	E	G	G	G,H,9	1.59
硝基甲烷	Nitromethane	CH <sub>3</sub> NO <sub>2</sub>	-	<Kp	D1	1	V1	B	M1	G	G	X,R,7	1.13
亚硝酸磺酸(亚硝酸氢磺酸)	Nitrosyl sulfuric acid (nitrosyl hydrogen sulfate)	NOHSO <sub>4</sub>	<L	<80	D1	1	V1	B	M1	G	G	G,A	
NMP → N_甲基吡咯烷酮	NMP → N - Methyl pyrrolidone												
壬醇	Nonyl phenol	C <sub>15</sub> H <sub>31</sub> O	Sch	<220	S1,Q2	6	A	S	M7	T6	G1	A	0.988
O	O												
正...原...→	o-...ortho...→...												
辛烷	Octane	C <sub>8</sub> H <sub>18</sub>	-	<Kp	S1	1	G	B	V	G	G	7	0.703
4_叔,四辛基苯酚	4-tert-Octyl phenol	C <sub>14</sub> H <sub>20</sub> O	Sch	<220	S1,Q2	6	A	S	M7	T6	G1		0.89(90)
油漆	Oil lacquer paints		-	<40	D1	1	G	B	M1	G	G	3,4	
原油(不标明)	Oils (not specified)		-	<100	S1	1	G	B	V	G	G		
油酸	Oleic acid (9-octadecanoic acid)		-	<Z	S1,Q3	1	G	B	M1	G	G	3	0.893
发烟磺酸 → 磺酸(发烟)	Oleum → Sulfuric acid, fuming												
橄榄油	Olive oil		-	<100	S1	1	G	B	V	G	G		0.91--0.92
乙二酸	Oxalic acid (ethanedioic acid)	C <sub>2</sub> H <sub>2</sub> O <sub>4</sub>	<L	<Kp	S1,Q3	1	V1	B	V	M	M	A,H,I,R,X	1.901(25)

## 密封选型 (Mechanical Seals Types)

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							I	II	III	IV	V	Others
Code of Materials and legend see inside of back cover.		2	3	4	5	6	7	8	9			
1												
2-恶唑啉酮 (恶唑啉酮)	2-Oxazolidinones (oxazolidinones)	$C_2H_5O_4$	<L	<25	S1,Q3	1	V1	B	E	G	G	A,H,R,X
臭氧	Ozon	$C_3H_5NO_2$	Sch	<200	D1	1	Q1	Q1	M1	G	G	3,4
P		$O_3$	-	<40	D1	1	Q1	Q1	K5	G	G	G,1
对、仲、副 →	p...para... →...											
Palatal	Palatal		-	<60	S1,Q3	1	G	B	V	G	G	3
Palatino® → 苯二酸酯	Palatino® → Phthalic acid esters:											
Palatino A ± DEP	Palatino A ± DEP											
Palatino AH ± DOP	Palatino AH ± DOP											
Palatino C ± DBP	Palatino C ± DBP											
Palatino M ± DMP	Palatino M ± DMP											
Palatino N ± DINP	Palatino N ± DINP											
Palatino O ± DIBP	Palatino O ± DIBP											
Palatino Z ± DIDP	Palatino Z ± DIDP											
棕榈酸	Palmitic acid	$C_{16}H_{32}O_2$	Sch	<200	S1	6	B	Q1	M7	M5	G1	0.8577
纸浆 → 纸浆	Paper pulp → Pulp											
对二氯苯 → 二氯苯	Paradichlorobenzene → Dichlorobenzenes											
石蜡	Paraffin waxes		Sch	<160	S1	1	G	B	V	G	G	
石蜡、石蜡油	Paraffins, paraffin oil		-	<160	S1	1	G	B	V	G	G	
对三联苯 → 三联苯	Paraterphenyl → Terphenyls											
浆糊 (为胶)	Paste(for gluing)			<Kp	D1	1	G	B	V	G	G	3,4
花生油	Peanut oil		-	<150	S1	1	G	B	V	G	G	
戊烷	Pentanes:	$C_5H_{12}$										
异戊烷 (2_甲基丁烷)	Isopentane (2-methylbutane)	$C_5H_{12}$	-	<Kp	S1	1	G	B	V	G	G	7
新戊烷(2,2_二甲氧丙烷)	Neopentane(2,2-dimethylpropane)	$C_5H_{12}$	-	<Kp	S1	1	G	B	V	G	G	7
n_正戊烷	n-Pentane	$C_5H_{12}$	-	<Kp	S1	1	G	B	V	G	G	7
戊醇	Pentanol	$C_5H_{12}O$	-	<60	S1,Q3	1	G	B	E	G	G	R,X
戊基醋酸盐 → 醋酸盐基酯	Pentyl acetate → Acetic acid pentyl esters											
过氧化苯 → 六氟化苯	Perchlorobenzene → Hexachlorobenzene											

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1												
过氧乙烷 → 六氟乙烷	Perchloroethane → Hexachloroethane											
过氧乙烷 → 四氧乙烷	Perchloroethylene → Tetrachloroethylene											
强双氧水 ± 含30%过氧化氢	Peroxyd ± → Hydrogen peroxide 30% sol.											
汽油(汽油、气)、不加铅、	Petrol (gasoline, gas) unleaded,											
正规和高级	regular and supergrade		-	<40	S1	1	G	B	V	G	G	0.72---0.76
汽油乙醚 → 汽油	Petrol ether → Petrol, Gasoline											
矿物、凡士林油	Petroleum		Sch	<160	S1	1	G	B	V	G	G	0.82---0.88
石油	Petroleum		-	<160	S1	1	G	B	V	G	G	
汽油_甲醇混合物	Petrol-methanol mixture		-	<40	S1	1	G	B	M1	G	G	7
酚(石炭酸)	Phenol(carbolic acid)	$C_6H_5OH$	Sch	<Kp	D1	1	V1	A	M1	G	G	A,G,H
酚_甲酚混合物	Phenol-cresol mixtures		Sch	<180	D1	1	V1	A	M1	G	G	A,G,H,R
酚乙醚(苯基乙醚)	Phenol ether(phenyl ether)		-	<100	D1	1	G	B	M1	G	G	telw G,O
酚树脂	Phenolic resins			<200	D1	1	G	A	M1	G	G	3,0
苯乙烯 → 苯乙烯	Phenyl ethylene → Styrene											
苯醋酸	Phenylacetic acid	$C_8H_8O_2$	<L	<Kp	S1,Q3	1	V1	B	M2	G	G	1.08
苯二胺(二氯苯)	Phenylene diamines											
间_苯二胺	m-Phenylene diamine	$C_6H_8N_2$	<L	<Kp	S1,Q3	1	G	B	M1	G	G	C3,G,R
邻_苯二胺	o-Phenylene diamine	$C_6H_8N_2$	<L	<Kp	S1,Q3	1	G	B	M1	G	G	C2,G
对_苯二胺	p-Phenylene diamine	$C_6H_8N_2$	<L	<Kp	D1	1	G	B	M1	G	G	C3,G,H,R,S
光气(碳酰氯、氯碳酸)	Phosgene(carbonyl dichloride,chlorocarbonic acid)	$COCl_2$	-	<60	D1	1	V1	B	M1	G	G	G
磷化液:	Phosphating baths:		<L	<60	D1	1	Q1	Q1	M1	G	G	
铁磷化溶液	'Iron phosphating solution'		<L	<60	S1	5	Q1	Q1	V	G	G	
锌磷化溶液	'Zinc phosphating solution'		<L	<60	D1	1	Q1	Q1	M1	G	G	
磷酸(浓缩、提供P2O5;	Phosphoric acids (conc.given in%											
1% P2O5=1.38% H3PO4)	P2O5;1% P2O5=1.38% H3PO4)		<65	<40	S1,Q3	1	V1	B	V	G	G	6
纯酸	Pure acid		<65	<80	S1,Q3	1	V1	B	V	M	M	6
			<65	<80	S1	3	Q1	Q1	V	M	G	
粗酸, 产生热	Raw acid, produced thermally		<65	<120	D1	1	V1	B	M1	G	G	2,6

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							I	II	III	IV	V		
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>					
原碱, 形成水分	Raw acid, produced wet	<65	<80	S3	4	Q1	Q1	Q1	Q1	V	M	G	
高磷酸	Superphosphoric acid	<65	<160	D1	1	Q1	Q1	Q1	Q1	M1	G	G	2,6
五氟化磷	Phosphorus pentachloride	<65	<160	D1	1	Q1	Q1	Q1	Q1	M1	G	G	2,6
砷酸(邻苯二甲酸)	Phthalic acid	<L	<60	D1	1	V1	B	M1	G	M1	G	G	A,G,2,3
砷酸酐	Phthalic acid anhydride	<L	<Kp	S1,Q3	1	V1	B	M1	G	M1	G	G	R
邻苯二甲酸酐(砷酸酐)	Phthalic acid esters(phthalates):	<L	<180	S1,Q3	1	V1	B	M1	G	M1	G	G	R
邻苯二甲酸二丁酯(BBP)	Benzyl butyl phthalate(BBP)	-	<100	S1	1	G	B	M1	G	M1	G	G	1.093
邻苯二甲酸二己酯	Diallyl phthalate	-	<100	S1	1	G	B	M1	G	M1	G	G	1.122
邻苯二甲酸二丁酯(DBP)	Dibutyl phthalate (DBP)	-	<100	S1	1	G	B	M1	G	M1	G	G	1.047
邻苯二甲酸二癸酯	Didecylphthalat	-	<100	S1	1	G	B	M1	G	M1	G	G	
邻苯二甲酸二乙酯(DEP)	Diethyl phthalate (DEP)	-	<100	S1	1	G	B	M1	G	M1	G	G	1.118
邻苯二甲酸二异丁酯(DIBP)	Dilsobutyl phthalate (DIBP)	-	<100	S1	1	G	B	M1	G	M1	G	G	1.049
邻苯二甲酸二异癸酯(DIDP)	Disodecyl phthalate (DIDP)	-	<100	S1	1	G	B	M1	G	M1	G	G	0.96--0.97
邻苯二甲酸二异壬酯(DINP)	Disononyl phthalate (DINP)	-	<100	S1	1	G	B	M1	G	M1	G	G	-0.97
邻苯二甲酸二异辛酯(DIOP)	Disooctyl phthalate (DIOP)	-	<100	S1,Q3	1	G	B	M1	G	M1	G	G	-0.985
邻苯二甲酸二甲基二酯	Di-(methyl glycol)-phthalate	-	<100	S1	1	G	B	M1	G	M1	G	G	1.17
邻苯二甲酸二甲酯(DMP)	Dimethyl phthalate (DMP)	-	<100	S1	1	G	B	M1	G	M1	G	G	1.191
邻苯二甲酸二壬酯	Dinonyl phthalate	-	<100	S1	1	G	B	M1	G	M1	G	G	0.978
邻苯二甲酸二辛酯(DOP)	Diocetyl phthalate (DOP) = di												
邻苯二甲酸二戊酯	(2-ethyl hexyl)-phthalate	-	<100	S1,Q3	1	G	B	M1	G	M1	G	G	0.986
邻苯二甲酸二苯酯	Dipentyl phthalate	-	<100	S1	1	G	B	M1	G	M1	G	G	1.026
邻苯二甲酸二苯酯	Diphenyl phthalate	-	<100	S1	1	G	B	M1	G	M1	G	G	1.28
酸浸盐水(含15~20% NaCl)	Pickling brine(sol. of 15-20 % NaCl)	-	<25	S1	1	V1	B	V	G	G	G	G	
吉味酸 (2,4,6-三硝基苯酚)	Picric acid(2,4,6-trinitrophenol)	<L	<40	D1	1	V1	B	V	G	V	G	G	G,H,I,9
松木油	Pine oil	-	<100	S1	1	G	B	V	G	V	G	G	0.90--0.97
聚乙二醇	Polyglycols(polyalkylene glycols)	-	<100	S1	1	G	B	V	G	V	G	G	
钾碱 → 碳酸钾	Potash → Potassium carbonate												
钾矾 → 矾	Potash alum → Alum												

# 密封选型 (Mechanical Seals Types)

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							I	II	III	IV	V		
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>					
钾碱漂白液 → 次氯酸钾	Potash bleaching lye → Potassium hypochlorite												
钾碱液 → 苛性钾溶液	Potash lye → Caustic potash sol.												
溴化钾	Potassium bromide	KBr	<L	<25	S1,Q3	1	V1	B	P	M	M	G	2,75
碳酸钾(钾碱), 也看 Benfield Solution	Potassium carbonate(potash), also see Benfield solution	KBr	<L	<Kp	D1	1	V1	B	V	G	G		2,6
氯酸钾	Potassium chlorate	KClO <sub>3</sub>	<L	<100	S1,Q3	1	V1	B	E	G	G	6	2,428
氯化钾	Potassium chloride	KClO <sub>3</sub>	<L	<Kp	D1	1	V1	B	M1	G	G	X,2,8	2,34
氰酸钾	Potassium cyanate	KCN	<L	<60	S1,Q3	1	V1	B	V	G	G	X,8	
重铬酸钾	Potassium dichromate	K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	<L	<60	S1,Q3	1	V1	B	E	M	M	6	1,984
碳酸氢钾	Potassium hydrogen carbonate (potassium bicarbonate)	KCl	<50	<Kp	D1	1	V1	B	M2	G	G		
氢氧化钾 → 苛性钾溶液	Potassium hydroxide → Caustic potash solution	KOCN	<L	<60	S1	1	V1	B	E	G	G		2,056
硝酸钾	Potassium nitrate	KCN	<L	<80	D1	1	V1	B	E	G	G	G	1,56
过(二)硫酸钾	Potassium persulfate	K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	<L	<40	S1,Q3	1	V1	B	E	G	G	R,6	2,7
磷酸钾	Potassium phosphates	K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	<L	<Kp	D1	1	V1	B	M1	G	G	R,2,6	
硅酸钾	Potassium silicates												
硫酸钾	Potassium sulfate	K <sub>2</sub> SO <sub>4</sub>	<L	<60	S1,Q3	1	V1	B	V	G	G	3	2,67
土豆泥 → 浆	Potato mash → Mashies												
土豆渣	Potato scrapings		<30	<60	S1	1	G	B	V	G	G		
土豆淀粉	Potato starch		-	<Kp	D1	1	G	B	V	G	G	3,4	
丙烷(液态)	Propane, liquefied	C <sub>3</sub> H <sub>8</sub>	-	> -20	S1	1	Q1	A	V	G	G	7	(+)









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						I	II	III	IV	V		
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>				
U	Urea (carbamide)	<L	<100	D1	1	Q22	V	E	G	G	3,4	1.323
尿酸(脲)	CH <sub>4</sub> N <sub>2</sub> O	<L	<100	D1	5	Q1	Q1	E	G	G	3,4	
磷酸脲	CH <sub>4</sub> N <sub>2</sub> O <sub>4</sub>	<10	<60	S1	1	Q1	Q1	M2	G	G		
磷酸脲	CH <sub>4</sub> N <sub>2</sub> O <sub>3</sub> P	<10	<60	S1	1	Q1	Q1	M2	G	G		
尿酸树脂(DIN7728:abbr.UF)	Urea resins (DIN 7728: abbr. UF)	-	<100	D1	1	Q22	V	M2	G	G	3,4	
尿	Urine	-	<40	S1	5	Q1	Q1	E	G	G		
V	Varnish	-	TG	D1	1	V1	B	M1	G	G	3,4	
清漆、凡士林	Vaseline→Petrolatum	0	<150	S1	1	G	B	V	G	G		
凡士林、矿物油、凡士林	Vegetable oils	-	<100	S1	1	G	B	V	G	G		
植物油	Vegetable paste	-										
植物油	Vinyl acetate→Acetic acid vinyl ester	-	<60	D1	1	V1	B	M2	G	G	1,3	(+)
乙烯醇缩醛→醋酸乙烯酯	Vinyl acetylene (1-butene-3-in)	-	<60	D1	1	V1	B	M2	G	G		
乙烯醇(丁烯-3-缩)	Vinyl benzene→Styrene	-	<40	D1	1	V1	B	M1	G	G	C1,1	(+)
乙烯苯→苯乙烯	Vinyl chloride	-	<40	D1	1	V1	B	M1	G	G		
氯乙烯	Vinylidene chlorides→Dichloroethylenes	-	<Kp	S1	1	G	B	M1	G	G		
亚乙烯基二氯→二氯乙烯	Volatile oils	-	<100	S1	1	G	B	V	G	G		
亚乙烯基二氯→二氯乙烯	Walnut oil	-	<Kp	S1	1	G	B	M1	G	G		
香精油, 挥发性油	Washing lye	-	<Kp	S1	1	G	B	M1	G	G		
核桃油	Washing lye, dirty	-	<Kp	S1	1	Q1	Q1	M1	G	G		
洗用碱水	Wastewater→Water	Sus	<60	S3	1	Q1	Q1	V	G	G		
洗用碱水 (含油污)	Water from pressed fish	-										
废水→水	Water glass→sodium silicates	-	<180	D1	1	G	B	E	G	G	1	
鱼泔水	Water vapour	-										
水玻璃→硅酸钠	Water:	-	<50	S1	1	Q1	Q1	P	G	G		
水蒸气	sewage water, pH>8<10	-	<50	S1	1	Q1	Q1	V	G	G		
水:	pH>3<10	-	<50	S1	5	Q1	Q1	V	G	G		
污水, pH>8<10	Desalinated water distilled water	-	<50	S1	1	S	B	E	G	G		
污水, pH>8<10	Drinking water, industrial water	-	<50	S1	1	S	B	E	G	G		
脱盐水、蒸馏水	Hot water with additives	-	<100	S1	1	S	B	E	G	G		
饮用水、工业用水	Boiler feed water	-										
含掺合剂热水	Sea and brackish water	-	<50	S1	5	A	Q1	V	M	G		
锅炉给水												

As compositions and applications vary considerably, a general recommendation would not be adequate  
Please contact

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<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>				
蜡	Whale oil, whale train	-	>F<180	S1	1	S	B	V	G	G		
鲸油、鲸骨脂	Whey	-	<100	S1	1	S	B	V	G	G		
乳清	Whiskey	-	<60	S1	1	S	B	V	G	G		
威士忌	Wine	-	<80	S1	1	V1	B	E	G	G		
酒	Wine vinegar→Acetic acid	-	<40	S1	1	G	B	P	G	G		
葡萄酒→醋酸	Wood oil (Tung oil)	-	<80	S1	1	G	B	V	G	G	0.89-0.93	
木油(桐油)	Wood pulp, ground pulp→Pulp, (cellulose)	-	<40	S1	1	G	B	E	G	G		
木浆、底浆→浆(纤维素)	Wood spirit	-	<100	S1	1	G	B	M1	G	G		
木精 甲醇	Wood tar	-										
木焦油	Wood turpentine oil →Tall oil	-										
木材松节油→妥尔油	X											
X	Xanthogenates	<10	<60	D1	1	Q1	Q1	M2	G	G	3,4	
黄原酸盐 或酯	Xenone	-	<40	D1	1	G	B	P	G	G	1	(+)
氙	Xylois (dimethyl benzenes)	-	<60	S1	1	G	B	M1	G	G	7	
混合二甲苯(二甲苯基):	technical xylois (mixture)	-	<60	S1	1	G	B	M1	G	G	7	-0.86
工业二甲苯混合	m-Xylois	-	<60	S1	1	G	B	M1	G	G	7	0.866
间_二甲苯	o-Xylois	-	<60	S1	1	G	B	M1	G	G	7	0.881
邻_二甲苯	p-Xylois	-	<60	S1	1	G	B	M1	G	G	7	0.861
对_二甲苯	Y											
Y	Yeast paste	-	<60	S1	1	G	B	V	G	G		
酵母浆	Yoghurt with fruit etc.	-	<60	S1	5	Q1	Q1	V	G	G		
水果酸乳酪	Yoghurt without fruit etc.	-	<60	S1	1	Q1	B	V	G	G		
酸乳酪	Z											
Z	Zapon lacquer	-	<60	D1	1	V1	B	M1	G	G	3,4	
硝基清漆	Zinc chloride	<L	<25	S1	5	Q1	Q1	V	G	G	4,6	2.91
氯化锌	Zinc cyanide (suspension)	<L	<Kp	D1	1	V1	B	M1	G	G	2,4	1.852
氰化锌(悬浮液)	Zinc nitrate	<20	<Kp	S3	3	Q1	Q1	P	G	G	G	2.065
硝酸锌	Zinc oxide (suspension)	<L	<60	S1,Q3	5	Q1	Q1	V	G	G	6	5.606
氧化锌(悬浮液)	Zinc paints, water soluble	<50	<Kp	S3,Q3	3	Q1	Q1	V	G	G	3,4	
锌粉涂料(溶于水)	Zinc phosphates	<L	<60	S1,Q3	5	Q1	Q1	V	G	G	6	
磷酸锌	Zinc vitriol (zinc sulfate)	<10	<100	D1	1	V1	B	M1	G	G	3,4	1.97
硫酸锌		<L	<60	S1,Q3	5	Q1	Q1	V	G	G	6	