



DOCUMENTATION SHEET

Rubber Bellow

Chemical resistance

CHEMICAL RESISTANCE

PART 2, L-Z

Chemicals in system	Innerliner of expansion joint										
	ECO	NR	CR	NBR	EPDM	CSM	IIR	SBR	FKM	PTFE	
	Epichloridine	Natural	Chloroprene	Nitrile	EPDM	Hypalon	Butyl	SBR	Viton	Teflon	
Rating code											
A Excellent											
B Good											
C Conditional											
X Inappropriate											
Please ask											
Lactic acid	-	B	A	A	A	A	B	B	A	A	
Linseed oil	A	X	B	A	B	B	A	X	A	A	
Liquid manure	-	-	-	A	A	A	-	-	-	A	
LP-gas	A	X	B	A	X	X	X	X	A	A	
Lubricating oil	A	X	C	A	X	X	X	X	A	A	
Methanol, methyl alcohol	B	A	A	B	A	A	A	A	X	A	
Methyl chloride	-	X	X	X	C	X	C	X	A	A	
Methyl ethyl ketone MEK	X	X	X	X	A	X	B	X	X	B	
Methyl isobutyl ketone	X	X	X	X	B	X	C	X	X	A	
Methyl isopropyl ketone	-	X	X	X	C	X	C	X	X	A	
Methylene chloride	-	X	X	X	X	X	X	X	B	A	
Milk	-	A	A	A	A	A	A	A	A	A	
Netural gas	A	C	A	A	X	A	X	C	A	A	
Nitric acid 20% 40°C	X	X	C	X	A	A	A	X	A	A	
Nitric acid 20% 50°C	X	X	X	X	B	A	B	X	A	A	
Nitric acid 40% 50°C	X	X	X	X	C	A	C	X	A	A	
Nitric acid 50% 50°C	X	X	X	X	X	B	X	X	A	A	
Nitric acid 60% 20°C	X	X	X	X	X	C	X	X	A	A	
Nitric acid 70% 20°C	X	X	X	X	X	C	X	X	A	A	
Nitric acid fuming	X	X	X	X	X	X	X	X	C	A	
Nitrobenzene	X	X	X	X	B	X	B	X	B	A	
Nitrogen	A	A	A	A	A	A	A	A	A	A	
Nitrous gasses	-	X	X	X	C	X	X	X	X	B	
Oleic acid	A	X	C	A	X	C	X	X	A	A	
Olive oil	A	X	C	A	C	C	C	X	A	A	
Oxalic acid	-	C	C	C	A	B	A	B	B	A	
Oxygen	B	C	B	C	A	B	A	X	A	A	
Ozone	A	X	C	X	B	B	C	X	A	A	
Palmitic acid	B	B	B	A	B	C	B	B	A	A	
Paraffin, kerosene	-	X	C	A	X	C	X	X	A	A	
Perchloroethylene	B	X	X	C	X	X	X	X	A	A	
Petrol, 100 octan	C	X	X	C	X	X	X	X	A	A	
Petrol, 65 octan	B	X	X	B	X	C	X	X	A	A	
Petroleum ether	B	X	B	B	X	X	X	X	A	A	
Petroleum oils, high aromatic	B	X	X	B	X	X	X	X	A	A	
Petroleum oils, low aromatic	A	X	C	A	X	B	X	X	A	A	
Phenol	-	X	X	X	C	C	B	X	A	A	
Phosphoric acid 45% 40°C	-	C	B	C	A	B	B	C	A	A	



Rating code A Excellent B Good C Conditional X Inappropriate Please ask	Innerliner of expansion joint									
	ECO	NR	CR	NBR	EPDM	CSM	IIR	SBR	FKM	PTFE
	Epichloridine	Natural	Cloroprene	Nitrile	EPDM	Hypalon	Butyl	SBR	Viton	Teflon
Chemicals in system										
Phosphoric acid 85% 40°C	-	C	C	X	B	B	B	C	A	A
Plating sol. w/o chromium.	-	X	X	X	A	C	C	X	A	A
Propan, LP-gas	A	X	C	A	X	C	X	X	A	A
Propanol, propyl alcohol	A	A	A	A	A	A	A	A	A	A
Rapeseed oil	A	X	X	X	A	C	A	X	A	A
Rosin oil	-	X	C	A	X	C	X	X	A	A
Salicylic acid	-	A	C	B	A	A	A	B	A	A
Salt solutions, non oxidizing	-	A	A	A	A	A	A	A	A	A
Sewage water	-	B	B	A	B	A	B	B	A	A
Silicofluoric acid 40°C	-	B	B	B	B	A	B	B	A	A
Sodium hypochlorite <10gr/l	B	C	B	C	A	A	B	C	A	A
Sodium hypochlorite >10gr/l	B	X	X	X	B	B	C	X	A	A
Styrene 40°C	-	X	X	X	X	X	X	X	B	A
Sugar solutions	-	A	A	A	A	A	A	A	A	A
Sulphur chloride 40°C	-	X	X	X	X	C	X	X	A	A
Sulphur, molten	-	X	X	X	B	B	C	X	A	A
Sulphur dioxide, dry gas 40°C	-	C	X	X	A	X	B	C	A	A
Sulphur trioxide, dry gas	-	X	X	X	B	X	C	X	A	A
Sulphuric acid <60%	B	C	C	X	B	B	B	X	A	A
Sulphuric acid 60% 50°C	X	C	X	X	B	B	B	X	A	A
Sulphuric acid 75% 50°C	X	X	X	X	B	B	B	X	A	A
Sulphuric acid 80% 50°C	X	X	X	X	C	B	C	X	A	A
Sulphuric acid 96% 50°C	X	X	X	X	C	C	X	X	A	A
Sulphuric acid, fuming, Oleum	X	X	X	X	X	X	X	X	B	A
Sulphurous acid 40°C	-	C	C	C	A	A	B	C	A	A
Tar 40°C	B	X	C	B	X	C	X	X	A	A
Toluene, toluol	X	X	X	C	X	X	X	X	A	A
Transformer oil, chl. hydrocar.	-	X	X	X	X	X	X	X	A	A
Transformer oil, mineral based	-	X	B	A	X	C	X	X	A	A
Trichloroethylene 40°C	-	X	X	X	X	X	X	X	A	A
Turpentine, terpene	A	X	X	A	X	X	X	X	A	A
Vegetable oils	A	X	C	A	X	B	X	X	A	A
Water, distilled	A	A	C	A	A	A	A	A	A	A
Water, fresh	A	A	B	A	A	A	A	A	A	A
Water, fresh, destilles 100°C	-	C	C	B	A	B	B	C	A	A
Water, salt	-	A	A	A	A	A	A	A	A	A
Whiskey, Wine	-	A	A	A	A	A	A	A	A	A
Xylene, xylol	X	X	X	X	X	X	X	X	A	A

CHEMICAL RESISTANCE

PART 2, L-Z

Rubber Design B.V.

Industrieweg 21
2995BE Heerjansdam
The Netherlands

Phone: +31 (0)78 677 87 78

Fax: +31 (0) 78 677 10 38

Email: info@rubberdesign.nl

Web: www.rubberdesign.nl