Chemical Resistance Guide (1)

Overview Coated fabric properties					
Properties	*Standard*	*Ferranyl*	*Neoprene*	*Butyl*	*Viton*
Outside colour		Red/grey	yellow/grey	green	dark yellow
Total weight		360 g/m²	370 g/m	720 g/m²	600 g/m²
Temperature range		-30°C / +70°C	-30°C / +70°C	-30°C / +70°C	-30°C / +70°C
Abrasion resistance	EN 530-2	6	6	6	6
Stability to heat	EN 25978	2	2	Pass	Pass
Bending resistance	ISO 7854-B	5	5	5	5
Puncture resistance	EN 863	2	2	2	2
Tear resistance	ISO 4674-A	5	3	5	5
Seam strenght	ISO 5082	4	5	4	4

Chemical	Ferranyl	Neoprene	Butyl	Viton
A				
Acetaldehyde	C	C	A	C
Acethylene	C	B	A	C
Acetic acid, glacial	C	B	B	C
Acetic acid 100%	C	B	B	C
Acetic acid 30%	B	A	A	B
Acetic acid 85%	C	B	B	C
Acetic acid anhydride	C	B	A	C
Acetone	C	C	A	C
Acetonitrile		C	A	C
Acrolein			A	C
Acrylonitrile	C	B	B	C
Alcoholic beverages	B	A	A	A
Allyl alcohol	C	C	A	
Aluminium chloride	A	A	A	A
Aluminiumsulphate	A	A	A	A
n-Amminoethylpiperazine			A	
Ammonia	B	A		
Ammonia >30%	B	A		B
Ammonia, gaseous	B	A	B	C
Ammonium chloride	A	A	A	A
Ammonium chloride	A	A	A	A
Ammonium sulphate	A	A	A	A
Ammoniumhydroxide	A	A	A	A
normal Amyl acetaat	C	C	A	C
normal Amyl alcohol	A	A	B	B
Aniline	C	C	A	A
Asphalt for roads	A	B	C	A
B				
Barium hydroxide	A	A	A	A
Battery accid	A	A	A	A
Benzaldehyde	C	C	A	C
Benzene	C	C	A	C
Benzene	C	C	C	A
Benzonitrile			A	C
Benzotrichloride	C	C	B	
Benzotrifluoride	C	C	C	
Benzoyl chloride	C	C	B	B
Benzyl				
Benzyl alcohol	C	B	A	A
Benzyl chloride	B	C	B	
Bleach liquor	A	B	B	B
Borax	A	A	A	A
Boric acid	A	A	A	A
Bromoacetone nitrile			A	A
1-Bromo-2-Propanol			A	A
3-Bromo-1-propanol		A	A	A
1,3-Butadienes	A	B	B	B
Butyraldehyde	B	C	A	C
n-Butane	C	A	C	A
Butyric anhydride	C	B		
n-Butanols	B	A	A	A
para-t-Butyl toluene		C	C	A
2-Butanone	C	C	A	C
Butyl acetate	C	C	B	C
Butyl ether	C	B	B	
Butyl ether	C	B	B	
C				
Calciumbi sulphate	A	A	A	A
Calcium bisulfide	A	A	B	A
Calcium chloride	A	A	A	A
Calcium hydroxide	A	A	A	B
Calcium hypochlorite	A	C	A	A
Carbolic acid	C	A	A	A
Carbolic acid / Phenol	C	A	A	A
Carbon dioxide	A	A	A	A
Carbon disulphide	C	C	C	A
Carbon monoxide	A	A	A	A
Caustic soda	B	A	A	B
Chlorine	B	A	C	B
Chlorine bleach water	A	A	B	A
Chlorine decolourising agent	A	B	B	A
Chlorine, liquid	B	C	C	A
Chloroacetonnitril			A	A

Chemical	Ferranyl	Neoprene	Butyl	Viton
Chloroform	C	C	C	A
1-Chloronaphtalene	C	C	C	
2-Chloroprene	C	C		
1-Chloro-2-Propanol	C		A	A
3-Chloro-1-Propanol	C		A	A
Chlorosulphonic acid	C	C	C	C
Chlorosulphonic acid	C	C	C	C
Chlorothene	C	C	C	A
Chromic acid	A	C	C	A
Citric acid	A	A	A	A
Copper-ii-SulfateA	A	B	A	
Creosote oil	B	A	A	
ortho-Cresols	C	B		
Crotonaldehyde		C	A	C
Crude oil, petroleum		C	B	A
Cyclohexanol	B	B		A
Cyclohexane	C	C	C	A
Cyclohexanone	C	C	B	C
D				
Diacetone alcohol		A	A	A
Dibuthylphtalate	A	A	A	B
1,4-Dichloro-2-Butene	C	C	A	A
Dichlorodifluoromethane	C	C	A	B
Dichlorodifluoromethane	C	B	B	B
Dichlorodifluoromethane	C	A	A	B
Dichlorodifluoromethane	C	B	C	B
Dichlorodifluoromethane	C	A	A	A
Diesel fuel	C	A	C	A
Diethyl glycol	C	A	C	A
1,1-Difluoroethelene		A		A
n,n Dimethyl aceetamide	C	C	A	C
Diisobutyl ketone	C	C	B	C
1,2-Dichloroethane	C	C	C	A
Diocthylphtalate	C	C	A	C
Dioxane	C	C	A	C
1,4-Divinylbenzene	C	C	A	C
E				
Epichlorohydrin	C	C	A	C
Ethanol	B	A	A	A
Ethanolamine	B	A		
Ether	C	C	C	C
Ethyl acetate	C	C	A	C
Ethyl bromide	C	C	B	A
Ethyl chloride	C	B	C	A
Ethyl glycol	C	B	B	B
Ethyl methyl ketone	C	C	A	C
Ethylamine	C	C	A	C
Ethylene dibromide	C	C	C	A
Ethylene glycol	A	A	B	A
Ethylene Glycol Mono Butyl Ether	A	B	A	A
Ethylene Oxide	C	C	B	C
2-Ethyl hexane acid	A	A		
F				
Formaldehyde	B	A	A	A
Formalin	B	A	A	A
Formic acid	A	A	A	B
Fuel	B	B	C	A
Fural	A	B	A	C
Furfurale	A	B	A	C
Freon TMC	C	C		
G				
Gas / Petrol	C	B	C	A
Gas, Petrol	C		C	A
Gasoil	C	A	C	A
Gasoline / Motor spirit	C	B	C	A
Glucose	A	A	A	A
Glycerin	B	A	A	A
Glycerol	B	A	A	A
Glycol	A	A	B	A
H				
Heating oil	B	B	C	A
Heptane	C	A	C	A
Hexamethyl phosphoramide			B	
normal-Hexane	C	A	C	A

A = very good/suitable B = good/average suitability C = not suitable

Chemical Resistance Guide (2)

Chemical	Ferranyl	Neoprene	Butyl	Viton
Hydraulic oil		A	C	A
Hydrazine 100%	C	C	A	C
Hydrazine 30-70%	A	A	A	
Hydrochloric acid 36%	A	A	A	B
Hydrochloric acid 15%	A	A	A	B
Hydrochloric acid 36%	A	A	A	B
Hydrogen		A	A	A
Hydrogen chloride 15%	A	A	A	B
Hydrogen chloride 36%	A	A	A	B
Hydrogen cyanide	A	B	A	A
Hydrogen cyanide	B	B		B
Hydrogen Fluoride 30-80%	C	B	B	B
Hydrogen Fluoride, gaseous	A	B	C	B
Hydrogen peroxide 50%	A	B	A	A
Hydrogen sulphide		B	A	B
Hydroquinone	A	A		
I				
beta-Ions			A	A
Isoamyl acetate	C	C		
Isoamyl nitril		C		C
Isobutyl alcohol	C	A		A
Isooctane	C	C	B	A
Isoprene		C		A
Isopropyl acetate	C	C	A	C
Isopropyl alcohol	C	C		C
K				
Kerosene	C	B	C	A
L				
ld-Lactid acid	A	A	A	B
lubricant oil		B	C	A
M				
Magnesium chloride	A	A	A	A
Magnesium hydroxide	A	A	A	A
Maleic acid	A	A	B	A
MCPP	A			
MEK	C	C	A	C
Mercuric chloride	A	A	A	A
Mercury	A	A	A	A
meta-Xylene	C	C	C	A
Methane sulfonic acid		A		
Methanol	C	B	B	B
Methanol	C	B	B	B
4-Methoxy-4-methyl-2-Pentanon		C	A	C
Methyl acetate	C	C	B	C
Methyl alcohol	C	B	B	B
Methyl amine	A	A	B	
Methyl chloride	C	C	B	B
2-Methyl-4-Chlorofenoxyacceticaccid	A			
Methyl chloroform	C	C	C	A
Methyl glycol			A	
Methyl iodide	C	C		
Methyl isobutylketone	C	C	B	
Methyl methacrylate	C	C	B	
Methylene chloride	C	C	C	B
Mineral oil	A	A	C	A
Monobromobenzene			C	A
Monochlorobenzene	C	C	C	A
Morpholine	C	C	A	C
N				
Naftalene	B	C	C	A
Naphta <3% arom. 150-200°C	C	B	C	
Naphta <3% arom. 180-260°C	B			
Naphta 15-20% arom. 120-260°C	C	B		
Naphta 15-20% arom. 180-260°C	C	B		
Naphta 15-20% arom. 180-260°C	A	A		
Sodium chloride	A	A	A	A
Nitric acid 10%	A	A	B	A
Nitric acid 30%	A	A	B	A
Nitric acid 60%	B	B	C	A
Nitrobenzene	C	C	B	A
Nitrohydrochloric acid	B	B		
Nitromethane / Nitrocarbol	C	C		
1-Nitropropane	C	C	A	C
2-Nitropropane			B	
Nonyl phenol	A			
O				
Octane	C			
Oleic acid	B	B		B
Oleum 20% SO3	C	C	C	A
Oleum 65% SO3	C	C	C	A
Oxalic acid	A	A		
P				
Paint- solvents	C	C	C	A
Palmitic acid	B	A	B	A
PCB	C	A	A	A
Pentachlorophenol	B	C		A
normal-Pentane	C	C		A
Perchloric acid 50-72%	A	A		

Chemical	Ferranyl	Neoprene	Butyl	Viton
Perchloric ethylene	C	C	C	A
Petrol		C		
Petroleum	C	B	C	B
Phenol	C	A	A	A
0-p-Phenolsulphonic Acid		A		
Phosphoric acid 100%	A	A		
Phosphoric Acid 25-85%	A	A	A	A
Phosphorus Oxychloride	C	C		C
Picric acid	C	B	B	A
Polychlorinated biphenyls	C	A	A	A
Potassium bromide	A	A	A	A
Potassium cyanide	A	A	A	A
Potassium cyanide	A	A	A	A
Potassium dichromate	A	B	A	A
Potassium hydroxide	A	A	A	A
Potassium hydroxide	A	A	A	A
Potassium nitrate	A	A	A	A
Potassium nitrate	A	A	A	A
Potassium sulphate	A	A	A	C
n-Propanol	B	A	A	A
b-Propiolacton				
Propionaldehyde		C	A	C
Propionitrile	C		C	
Propyl acetate	C	C	B	C
Propylene oxidee	A	A	A	
Pyridine	C	C	B	C
S				
Soap solutions	A	A	A	A
Sodium acetate	C	A	A	A
Sodium carbonate 70%	A	B	B	B
Sodium chloride	A	A	A	A
Sodium dichromate		B	A	A
Sodium fluoride	A	A	A	A
Sodium hydroxide	B	A	A	B
Sodium nitrate	A	B	A	
Sodium peroxide		B	A	A
Sodium sulphate	A	A	A	A
Soybeanoil	A	A	A	A
Special boiling point spirit	C	B	C	
Stearic acid	A	B	B	A
Styrene	C	C	C	A
Sulphur	C	C	C	A
Sulphur dioxide acid	C	C	B	A
Sulphur dioxide, gaseous	A	B		A
Sulphur trioxide		C	B	A
Sulphuric acid 25%	A	A	A	A
Sulphuric acid 50%	A	B	A	A
Sulphuric acid apr. 98%	B	C	C	B
Sulphuric acid fuming 20%	C	C	C	A
Sulphuric acid, fuming 65%	C	C	C	A
Sulphurous acid	C	C	B	A
T				
Tannic acid	A	A		A
Tars		A	C	A
Tetra	C	C	C	A
1,1,2,2-Tetrachloroethane	C	C		
Tetrachloromethane	C	C	C	A
Tetrafluoroethylene		A	A	A
Tetrahydrofuran	C	C	C	C
Toluene	C	C	C	A
2,4-Tolunene diisocyanate	C	C	A	A
para-Toluenesulphonic acid	A	A		
Tribromoethane			A	A
Tributyl phosphate		C	B	C
1,1,2-Trichloroethane		C	C	A
Trichloro acetonnitrile		C	C	C
Trichloro ethylene	C	C	C	A
Trichloro ethylene	C	C	C	A
1,2,3-Trichloropropane			A	A
Trichloromonofluoromethane	C	B	B	B
Trichloromethane	C	C	C	A
Tricresyl phosphate	A	C	A	A
Triethanolamine	A	A	B	C
Trifluoric ethanol	C	B		
Turpentine	C	C	C	B
Turpentine / White spirit	C	B	C	
V				
Vinyl chloride				A
W				
Water	A	A	A	A
White spirit	C	B	C	
X				
Xylene	C	C	C	A
Z				
Zinc chloride	A	A	A	A

A = very good/suitable B = good/average suitability C = not suitable

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