CONDUIT JACKET CHEMICAL RESISTANCE

Resistance Rating:

1 - Excellent (continuous service)
2 - Good (intermittent service)
3 - Fair (limited service life)
4 - Poor (do not use)

The chemicals listed have been tested with results shown below. Results may vary in operating conditions. Where possible, samples of conduit should be tested in the conditions of use.

CHEMICAL	PVC	SI	TPR	TPU
ACETATE SOLVENTS	4	3		
ACETIC ACID (10%)	2	2		2
ACETIC ACID (GLACIAL)	3	2	4	
ACETONE	4	4	2	4
ACRYLONITRITE	1	4		
ALCOHOLS (ALIPHATIC)	3	2		
ALUMINUM CHLORIDE	1	2	2	2
ALUMINUM SULFATE (ALUMS)	1	1	2	
AMMONIA (ANHYDROUS LIQUIDS)	4	3		
AMMONIA (AQUEOUS)	1	2		
AMMONIATED LATEX	1			
AMMONIUM CHLORIDE	1	3	2	2
AMMONIUM HYDROXIDE	1	1	2	
AMYL ACETATE	4	4	4	
ANILINE OILS	4	4		4
AROMATIC HYDROCARBONS	4	4		
ASPHALT	4	4	4	
ASTM FUEL A	3			2
ASTM FUEL B	4		4	2
ASTM #1 OIL	2		4	2
ASTM #3 OIL	3		4	2
BARIUM CHLORIDE	1	1		
BARIUM SULPHIDE	1	1		
BARIUM HYDROXIDE	1	1		
BENZENE (BENZOL)	4	4	4	4
BENZINE (PETROLEUM ETHER)	3			4
BLACK LIQUOR	1			
BORDEAUX MIXTURE	1			
BORIC ACID	1	1		2
BUTYL ACETATE	4	4	4	4
BUTYL ALCOHOL	2		2	4
CALCIUM HYDROXIDE	1	1		
CALCIUM HYPOCHLORITE	1	2		
CARBOLIC ACID (PHENOL)	2	4	4	
CARBON DIOXIDE	1	2	2	

CHEMICAL	PVC	SI	TPR	TPU
CARBON DISULFIDE	4		4	
CARBON TETRACHLORIDE	4	4		4
CARBONIC ACID	1	1		
CASEIN	1			
CAUSTIC SODA (10%)	1		2	1
CHLORINE GAS (WET)	4	4	2	
CHLORINE GAS (DRY)	4	4	2	
CHLORINE (WATER SOLUTION)	3	4		
CHLOROBENZENE	4	4	4	4
CHLORINATED HYDROCARBONS	4			
CHROMIC ACID (10%)	2	3	2	4
CITRIC ACID	1	1		2
COAL TAR	4			
COCONUT OIL	3	1		
CORN OIL	1	1		
COTTONSEED OIL	3	1		
CREOSOTE	4	4	4	
CRESOL	3	4		
CRESYLIC ACID	4	4		
CYCLOHEXANE	2	4		4
DDT WEED KILLER	1		4	
DIBUTYL PHTHALATE	4		4	
DIESEL OILS	3	4	4	
DIETHYLENE GLYCOL	2	2		2
DIETHYL ETHER	1	4		
DI-ISODECYL PHTHALATE	4			
DIOCTYL PHTHALATE	4			1
DOW GENERAL WEED KILLER (PHENOL)	4			
DOW GENERAL WEED KILLER (H2O)	2			
ETHYL ALCOHOL	3	2	1	4
ETHYLENE DICHLORIDE	4	4	4	
ETHYLENE GLYCOL (50%)	2	1		2
FERRIC CHLORIDE (10%)	1	2	1	2
FERRIC SULPHATE	1	2	1	
FERROUS CHLORIDE	1	3	2	

CHEMICAL	PVC	SI	TPR	TPU
FERROUS SULPHATE	1		1	
FORMALDEHYDE	4	2	1	
FUEL OIL	2	4	4	
FURFURAL	3	4	4	
GALLIC ACID	1	4		
GASOLINE (HIGH TEST)	3	4	4	4
GLYCERINE	1	1	2	1
GREASE	1	4		1
GREEN SULPHATE LIQUOR	1			
HEPTACHLOR IN PETROLEUM SOLVENTS	1			
HEPTANE	3	4	4	2
HEXANE	3	4	4	2
HYDROBROMIC ACID	1	4	2	1
HYDROCHLORIC ACID (10%)	1		2	
HYDROCHLORIC ACID (40%)	3	2		
HYDROCHLORIC ACID (70%)	4	4		
HYDROFLUOROBONIC ACID	1			
HYDROFLUOROSILICIC ACID	1	4	4	
HYDROGEN PEROXIDE (10%)	1	1	2	1
ISO-OCTANE	3	4	4	
ISOPROPYL ACETATE	4	4		
ISOPROPYL ALCOHOL	2	1	4	1
JET FUELS (JP-3, 4 AND 5)	3	4		
KEROSENE	3	4	4	2
KETONES	4		4	
LINSEED OIL	1	1	4	
LUBRICATING OILS	1	4		
MAGNESIUM CHLORIDE (30%)	1	1	1	2
MAGNESIUM HYDROXIDE	1	1	1	
MAGNESIUM SULFATE	1	1		
MALATHION 50 IN AROMATICS	4			
MALIC ACID	1	2		
METHYL ACETATE	4	4	4	4
METHYL ALCOHOL	3	1		4
METHYL BROMIDE	4			
METHYL ETHYL KETONE	4	4		4
METHYLENE CHLORIDE	4	4	4	4
MINERAL OIL	1	3		2
MONOCHLOROBENZENE	4		4	
MURIATIC ACID (SEE HYDROCHLORIC ACID)			2	
NAPHTHA	3	4	4	1

CHEMICAL	PVC	SI	TPR	TPU
NAPHTHALENE	4	4	4	
NITRIC ACID (10%)	1	3	2	4
NITRIC ACID (35%)	1	4	2	
NITRIC ACID (70%)	4	4	4	
OLEIC ACID	1	4		
OLEUM	4	4		
OXALIC ACID	1	2	1	
PENTACHLOROPHENAL IN OIL	2			
PENTANE	3	4	4	
PERCHLOROETHYLENE	4	4	4	4
PETROLEUM ETHER	3		4	
PHENOL	2	4	4	
PHOSPHORIC ACID (85%)	1	4	2	4
PITCH	2			
POTASSIUM HYDROXIDE	1	3	2	
PROPYL ALCOHOL	2		2	
RITCHFIELD "A" WEED KILLER	3			
SEA WATER	1	1	1	1
SODIUM HYDROXIDE (10%)	1	1	1	2
SODIUM HYDROXIDE (50%)	1	1		4
SOYBEAN OIL	3	1		
SODIUM CYANIDE	1	1		
STODDARD SOLVENT	4	4		
STYRENE	4	4		
SULFUR DIOXIDE (LIQUID)	4	2	4	
SULFURIC ACID (50%)	1	4	1	2
SULFURIC ACID (98%)	4	4	2	
SULFUROUS ACID	2	3	1	
TALL OIL	4			
TANNIC ACID	1	2	4	
TOLUENE	4	4	4	4
TRICHLORETHYLENE	4	4		4
TRIETHANOL AMINE	3			
TRICRESYL PHOSPHATE (SKYDROL)	4	3		4
TURPENTINE	3	4	4	2
VINEGAR	1	1		
VINYL CHLORIDE	4			
WATER	1	1	1	1
WHITE LIQUOR	1	1		
XYLENE	4	4	4	
ZINC CHLORIDE	1	2	2	
ZINC SULPHATE	1	1	2	