Chemical Resistance of Mica Laminate

January 2005

Resistance: A = good B = moderate U = unsatisfactory

Compatibility of media with	
Acetaldehyde	B
Acetamide	B
Acet ic acid 10 %	A
Acet ic acid 100 %	A
Aceton	B
Acetylene	B
Adipic acid	A
Air (< 400 °C)	A
Alum	A
Aluminium acetate	A
Aluminium chlorate	A
Aluminium chloride	A
Ammonia (aqueous)	A
Ammonia (gas)	A
Ammonium carbonate	A
Ammonium chloride	A
Ammonium diphosphate	A
Ammonium hydroxide	A
Amyl acetate	A
Aniline	B
Arcton 12	U
Arcton 22	U
Asphalte	A

Barium chloride	A
Benzene	B
Benzoic acid	A
Blast furnace gas	A
Bleach liquor	A
Borax	A
Boric acid	A
Butanole	B
Butanone	B
Butyl acetate	B
Butyl alcohol	B
Butyl amine	B
Butyric acid	B

Compatibility of media with	
Calcium chloride	A
Calcium hydroxide	A
Calcium hypochlorite	A
Calcium sulfate	A
Carbon dioxide	A
Carbon disulfide	B
Carbon tetrachloride	B
Castor oil	A
Chlorine (dry)	B
Chloroform	B
Chromic acid	B
Citric acid	A
Condensation water	A
Copper acetate	A
Copper sulfat e	A
Cresole	A
Crude oil	A
Cyclohexanole	A
CyclohexanoneErdgas	B

Decaline	A
Dibenzyl ether	B
Dibutyl phthalate	A
Dowtherm A	B

Ethane	A
Ethanol	B
Ethyl acetate	B
Ethyl alcohol	B
Ethyl chloride	B
Ethyl ether	B
Ethylene	B
Ethylene chloride	B
Ethylene diamine	B
Ethylene glycole	A

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Compatibility of media with	
Fatty acids	A
Formaldehyde	B
Formic acid	A
Formic acid amide	B
Freon 12	U
Freon 22	U
Fuel (acid)	A
Gasoline	B
Glycerine	A
Heating oil	B
Hexachloro benzene	A
Hydraulic oil	A
Hydrazine hydrate	A
Hydrochloric acid (dry)	A
Hydrochloric acid (aqueous)	A
Hydrochloric acid 20 %	A
Hydrochloric acid 37 %	A
Hydrogen	A
Hydrogen fluoride 10 %	A
Hydrogen fluoride 40 %	B
Hydrogen peroxide (< 6 %)	A
Isooctane	A
Isopropyl alcohol	B
Kerosene	A
Lactic acid 50 %	A
Lead acetate	A
Lead arsenate	A
Linseed oil	A
Luminescent gas	B

Compatibility of media with	
Magnesium sulfate	A
Maleic acid	A
Methane	B
Methyl alcohol	B
Methyl chloride	B
Methyl ethyl ketone	B
Methylenchloride	B
Mineral oils	A
Monochloro methane	B
Natural gas	B
Nitric acid 20 %	A
Nitric acid 40 %	A
Nitric acid 96 %	A
Nitrobenzene	A
Nitrogen	A
Octane	A
Oleic acid	A
Oleum	A
Oxalic acid	A
Oxygen	A
Paint thinner	A
Palmitic acid	A
Pentane	A
Perchloro ethylene	B
Petroleum	A
Phenol	A
Phosphoric acid	A
Phthalic acid	A
Potassium acetate	A
Potassium carbonate	A
Potassium chlorate	A
Potassium chloride	A
Potassium chromosulfate	A
Potassium cyanide	A
Potassium dichromate	A

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Potassium hydroxide	A
Potassium hypochlorite	A
Potassium iodide	A
Potassium nitrate	A
Potassium permanganate	A
Propane	A
Pyridine	B
Rapseed oil	A
Salicylic acid	A
Salt water	A
Sea water	A
Silicones	A
Skydrole 500	A
Soaps	A
Sodium aluminate	A
Sodium bicarbonate	A
Sodium bisulfite	A
Sodium carbonate	A
Sodium chloride	A
Sodium chloride solution	A
Sodium cyanide	A
Sodium hydroxide	A
Sodium silicate	A
Sodium sulfide	A
Sodium sulfate	A
Spirit	A
Starch	A
Steam	A
Stearic acid	A
Sugar	A
Sulphur dioxide	A
Sulphuric acid 20 %	U
Sulphuric acid 50 %	U
Sulphuric acid 96 %	U
Sulphurous acid	A

Compatibility of media with	
Tannic acid	A
Tar	A
Tartaric acid	A
Tetrachloro ethane	B
Tetraline	A
Toluene	A
Transformer oils	A
Trichloro ethylene	B
Triethanole amine	A
Turpentine	A
Urea	A
Vinyl acetate	A
Water	A
Xylene	A