

## Chemical Resistance of Mica Laminate

January 2005

Resistance:		A = good	B = moderate	U = unsatisfactory	
Compatibility of media with				Compatibility of media with	
Acetaldehyde	B			Calcium chloride	A
Acetamide	B			Calcium hydroxide	A
Acetic acid 10 %	A			Calcium hypochlorite	A
Acetic acid 100 %	A			Calcium sulfate	A
Aceton	B			Carbon dioxide	A
Acetylene	B			Carbon disulfide	B
Adipic acid	A			Carbon tetrachloride	B
Air (< 400 °C)	A			Castor oil	A
Alum	A			Chlorine (dry)	B
Aluminium acetate	A			Chloroform	B
Aluminium chlorate	A			Chromic acid	B
Aluminium chloride	A			Citric acid	A
Ammonia (aqueous)	A			Condensation water	A
Ammonia (gas)	A			Copper acetate	A
Ammonium carbonate	A			Copper sulfate	A
Ammonium chloride	A			Cresole	A
Ammonium diphosphate	A			Crude oil	A
Ammonium hydroxide	A			Cyclohexanole	A
Amyl acetate	A			CyclohexanoneErdgas	B
Aniline	B				
Arcton 12	U			Decaline	A
Arcton 22	U			Dibenzyl ether	B
Asphalte	A			Dibutyl phthalate	A
				Dowtherm A	B
Barium chloride	A				
Benzene	B			Ethane	A
Benzoic acid	A			Ethanol	B
Blast furnace gas	A			Ethyl acetate	B
Bleach liquor	A			Ethyl alcohol	B
Borax	A			Ethyl chloride	B
Boric acid	A			Ethyl ether	B
Butanole	B			Ethylene	B
Butanone	B			Ethylene chloride	B
Butyl acetate	B			Ethylene diamine	B
Butyl alcohol	B			Ethylene glycole	A
Butyl amine	B				
Butyric acid	B				

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Compatibility of media with				Compatibility of media with	
Fatty acids		A		Magnesium sulfate	A
Formaldehyde		B		Maleic acid	A
Formic acid		A		Methane	B
Formic acid amide		B		Methyl alcohol	B
Freon 12		U		Methyl chloride	B
Freon 22		U		Methyl ethyl ketone	B
Fuel (acid)		A		Methylenchloride	B
				Mineral oils	A
Gasoline		B		Monochloro methane	B
Glycerine		A			
				Natural gas	B
Heating oil		B		Nitric acid 20 %	A
Hexachloro benzene		A		Nitric acid 40 %	A
Hydraulic oil		A		Nitric acid 96 %	A
Hydrazine hydrate		A		Nitrobenzene	A
Hydrochloric acid (dry)		A		Nitrogen	A
Hydrochloric acid (aqueous)		A			
Hydrochloric acid 20 %		A		Octane	A
Hydrochloric acid 37 %		A		Oleic acid	A
Hydrogen		A		Oleum	A
Hydrogen fluoride 10 %		A		Oxalic acid	A
Hydrogen fluoride 40 %		B		Oxygen	A
Hydrogen peroxide (< 6 %)		A			
				Paint thinner	A
Isooctane		A		Palmitic acid	A
Isopropyl alcohol		B		Pentane	A
				Perchloro ethylene	B
Kerosene		A		Petrol ether	B
				Petroleum	A
Lactic acid 50 %		A		Phenol	A
Lead acetate		A		Phosphoric acid	A
Lead arsenate		A		Phthalic acid	A
Linseed oil		A		Potassium acetate	A
Luminescent gas		B		Potassium carbonate	A
				Potassium chlorate	A
				Potassium chloride	A
				Potassium chromosulfate	A
				Potassium cyanide	A
				Potassium dichromate	A

Resistance:		A = good	B = moderate	U = unsatisfactory	
Compatibility of media with				Compatibility of media with	
Potassium hydroxide	A			Tannic acid	A
Potassium hypochlorite	A			Tar	A
Potassium iodide	A			Tartaric acid	A
Potassium nitrate	A			Tetrachloro ethane	B
Potassium permanganate	A			Tetraline	A
Propane	A			Toluene	A
Pyridine	B			Transformer oils	A
				Trichloro ethylene	B
Rapeseed oil	A			Triethanole amine	A
				Turpentine	A
Salicylic acid	A				
Salt water	A			Urea	A
Sea water	A				
Silicones	A			Vinyl acetate	A
Skydrole 500	A				
Soaps	A			Water	A
Sodium aluminate	A				
Sodium bicarbonate	A			Xylene	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				