

Chemical Resistance of Mica Laminate

January 2005

| Resistance: | | A = good | B = moderate | U = unsatisfactory |
|-----------------------------|---|----------|--------------|--------------------|
| Compatibility of media with | | | | |
| Acetaldehyde | B | | | |
| Acetamide | B | | | |
| Acetic acid 10 % | A | | | |
| Acetic 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 | | | |
| 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 sulfate | 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 | | |
| 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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| Compatibility of media with | | | | |
| Potassium hydroxide | A | | | |
| Potassium hypochlorite | A | | | |
| Potassium iodide | A | | | |
| Potassium nitrate | A | | | |
| Potassium permanganate | A | | | |
| Propane | A | | | |
| Pyridine | B | | | |
| Rapeseed 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 | | |