Material and resistance chart Acid proof cover, PVC

The manufacturer of the fabric has provided the following chart. The data is presented as a general description of properties and is not intended to be used for design specifications. The information is based on tests believed to be reliable, but users should not rely upon it absolutely for specific applications. It is given and accepted at user's risk. No guarantee of results and assumes no obligation or liability in connection with its use.

R	Recommended
NR	Not Recommended
R1	Some effect on plasticizer results at temperatures above 90°F (30°C).
R2	Very slight effect on PVC up to 90°F (30°C).
R3	Very slight effect on PVC by 35% at 90°F (30°C), by 10% at 150°F (65°C)
R4	90°F (30°C) maximum on plasticized PVC.
R5	Blisters in prolonged service

Description of material	70°F -180°F 20°C – 80°C PVC	Description of material	70°F -180°F 20°C – 80°C PVC
Acetaldehyde	NR	Hydrobromic Acid	R-130
Acetate Solvent Crude	NR	Hydrochloric Acid	R-130
Acetate Solvent Pure	NR	Hydrochloric Acid 35%	R-R5
Acetic Acid 10%	R-R	Hydrocyanic Acid	NR
Acetic Acid Glacial	NR	Hydrofluoric Acid 48%	R-R
Acetic Anhydride	NR	Hydrogen Peroxide 30%	R-R
Acetone	NR	Hydroquinone	NR
Acretylene	R-R	Hypochlorous Acid	NR
Alcohol Isobutyl	R-R1	Induim, Lead	R-R
Alcohol Amyl	R-R1	Isopropyl Alcohol	NR
Alkyl Alcohol	NR	Lactic Acid	NR
Alkyl Chloride	NR	Magnesium Carbonate	R-140
Aluminum Bromide	R-R	Magnesium Chloride	R-R
Aluminum Chloride	R-R	Magnesium Hydroxide	R-R
Aluminum Fluoride	R-R	Magnesium Nitrate	R-140
Aluminum Nitrate	R-R	Magnesium Sulphate	R-R
Aluminum Sulphate	R-R	Malic Acid	R-110
Alums	R-R	Mercuric Chloride	NR
Ammonia (liquid)	NR	Mercurous Nitrate	R-130
Ammonium Carbonate	R-R	Mercury	R-R
Ammonium Chloride	R-R	Methyl Alcohol	NR
Ammonium Fluoride	R-130	Methyl Ethyl Ketone	NR
Ammonium Nitrate	R-R	Mineral Oil	NR
Ammonia Sulfide	R-R	Naphthalene	NR
Amyl Alcohol	NR	Nickel (Grey)	R-R
Amyl Acetate	NR	Nickel (Bright)	R-R
Amyl Chloride	NR	Nitric Acid 10%	R-R
Aniline	NR	Nitrobenzene	NR
Antimony Chloride	R-R	Oleic Acid	R-R
Asphalt	NR	Oleum	NR
Arsenic	R-R	Oxalic Acid	R-R
Barlum Carbonate	R-R	Palmitic Acid 10%	R-R
Barium Sulfate	R-R	Peanut Oil	NR
Battery Acid	R-R	Perchloric Acid 70%	NR
Benzene	NR	Perchloric Acid 10%	R-R
Bismuth Carbonate	R-R	Phenol Acid	NR

Vetter GmbH
A Unit of IDEX Corporation

Blatzheimer Str. 10 - 12
D-53909 Zülpich
Germany

Tel.: +49 (0) 22 52 / 30 08-50
Fax: +49 (0) 22 52 / 30 08-70

International
Tel.: +49 (0) 22 52 / 30 08-60
Fax: +49 (0) 22 52 / 30 08-71

Mail: vetter.info@idexcorp.com

www.vetter.de

Bleach Liquor	R-R	Phenythydrazine	NR
Borax	R-R	Phosphoric Acid 10%-20%	R-R
Boric Acid	R-R	Phosphoric Trichloride	NR
Brass Plating Solution	R-R	Potassium Bicarbonate	R-R
Brine	R-R	Potassium Bisulphite	R-R
Bromic Acid	R-R	Potassium Carbonate	R-R
Bromine Liquid	NR	Potassium Chloride	R-R
Butyl Alcohol	NR	Potassium Chromate	R-R
Butyl Phenol	NR	Potassium Cyanide	R-130
Butyric Acid	NR	Potassium Hydroxide	R-R
Cadmium Plating Solution	R-R	Potassium Hypochlorite	R-R2
Calcium Bisulphate	R-NR	Potassium Nitrate	R-R
Calcium Carbonate	R-R	Potassium Perchlorate	R-130
Calcium Chloride	R-R	Potassium Permangante	R-R
Calcium Hydroxide	R-R	Potassium Sulphate	R-R
Calcium Hypochlorite	R-R	Propane	NR
Calcium Nitrate	R-R	Rhodium	R-R
Calcium Sulfate	R-R	Rhodium, Silver	R-R
Carbolic Acid Phenol	NR	Sale Water	R-R
Carbon Dioxide	NR	Silver Nitrate	R-130
Caustic Soda	R4-R3	Soda Ash	R-R
Chloracetic Acid	NR	Sodium Acetate	R-110
Chlorine Gas (Dry)	NR	Sodium Biocarbonate	R-R
Chlorine Gas (Wet)	NR	Sodium Bisulfite	R-140
Chlorine Water	R-R	Sodium Borate	R-R
Chlorobenzene	NR	Sodium Carbonate	R-R
Chloroform	NR	Sodium Chlorate	R-R
Chlorosulfonic Acid	NR	Sodium Chloride	R-R
Chromic Acid 10%-40%	R-R	Sodium Dichromate	R-R
Citric Acid	R-R	Sodium Ferrocyanide	R-R
Coconut Oil	R-R2	Sodium Flouride	R-R
Copper Chloride	R-R	Sodium Hydroxide	R-R3
Copper (Cyanide)	R-R	Sodium Hypochlorite	R-R
Copper Nitrate	R-R	Sodium Nitrate	R-R
Copper Sulfate	R-R	Sodium Perborate	NR
Creosote	NR	Sodium Phosphate	R-R
Cuprous Chloride	R-R	Sodium Sulphate	R-R
Cyclohexanone	R-NR	Sodium Sulfite	R-R
Cyclohexanol	NR	Stannic Chloride	R-R
Dibutylphthalate	NR	Stannic Chloride 25%	R-R
Diethyl Ketone	NR	Stearic Acid	R-110
Dimethylamine	NR	Sulphur Liquor	R-R
Disodium Phosphate	R-R	Sulphur Chloride	NR
Ethers	NR	Sulphur Dioxide (wet)	R-R3
Ethyl Acetate	NR	Sulphuric Acid 5 %	R-R
Ethyl Alcohol	NR	Sulphuric Acid 90%	NR
Ethyl Bromide	NR	Sulphuric Acid 93%	NR
Ethyl Chloride	NR	Sulphuric Acid 94%	NR

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International
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Ethylene Glycol	NR	Sulphurous Acid 10%	R-R
Fatty Acids	R-NR	Tar	NR
Ferric Chloride	R-130	Tartaric Acid	R-R
Ferric Nitrate	R-130	Tetrahydrofuran	NR
Ferrous Chloride	R-130	Toluol	NR
Ferric Sulphate	R-R	Trichloroethylene	NR
Ferrous Sulphate	R-R	Triethanolamine	NR
Fluoboric Acid	R-R	Trisodium Phosphate	R-R
Fluosilicic Acid	R-R	Turpentine	NR
Formaldehyde	R-R	Vegetable Oil	NR
Formic Acid	R-NR	Urea	R-130
Furfural	NR-NR	Water (Distilled)	R-R
Gallic Acid	NR	Xylene	NR
Gelatine	NR	Zinc Plating Solution	R-R
Glucose	R-R	Zinc Chloride	R-R
Glue	R-R	Zinc Sulphate	R-R
Glycerine	R-R	Zeolite	R-R

R Recommended
NR Not Recommended
R1 Some effect on plasticizer results at temperatures above 90°F (30°C).
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