

MATERIAL DATA

PVC-U

General Characteristics

The majority of REHAU Cable Management products are manufactured from RAU PVC 1309. This is a tough, rigid material with excellent resistance to chemicals and ageing. REHAU's PVC 1309 is lead and cadmium free and conforms to BS 476 and UL 94 V-0.

This material also conforms to the requirements of reaction to fire according to the trunking standard BS EN 50085-2-1

| | |
|--|---------------------------|
| Density | 1.48g/cm ³ |
| Coefficient of linear expansion | 80 x 10 ⁻⁶ /°C |
| Impact resistance (notched DIN 53453) | 2-4kJ/m ² |
| Dielectrical strength | >20kV/mm |
| Tensile strength (DIN 53455) | >50 N/mm ² |
| Insulation resistance according to BS 4678 | |
| Vicat softening point | 83°C |

Chemical Resistance

RAU-PVC 1309 is resistant to most diluted and concentrated acids and alkalis and also to aqueous salt-solutions. It is resistant to mineral oils, vegetable oils, paraffin oils, alcohols, benzene, aliphatic hydrocarbons, and higher fatty acids. Unplasticized polyvinyl chloride swells or becomes soluble in esters, ketones, chlorinated hydrocarbons, carbon disulphide and other solvents and is therefore not resistant. See Chemical Resistance table for further information.

Weathering and Ageing Resistance

Because of its chemical structure, RAU-PVC 1309 possesses an inherent excellent resistance to ageing. Colour stabilisers used in recipes for Cable Management Products have a Wool scale light fastness of 8. This is the highest result achievable and represents permanent colour fastness.

Combustibility

Being a hydrocarbon with high chlorine content, RAU-PVC 1309 is difficult to ignite; it is also self-extinguishing.

Thermal Properties

RAU-PVC 1309 is a thermoplastic. The physical values therefore vary with changes in temperature.

Bonding

RAU-PVC 1309 can be bonded to itself and other materials quite simply using normal commercial adhesives for rigid PVC; a very good bond is achieved. The adhesive manufacturer's instructions should be observed.

For REHAU LEH Cable Trunking

General Characteristics

REHAU LEH cable trunking is manufactured from RAU PCAB-648. This is a thermoplastic blend based on polycarbonate and ABS which combines the advantages of a polymer with a halogen free material and minimal release of toxic gases in the event of a fire.

| | |
|--|------------------------|
| Density | 1.18g/cm ³ |
| Coefficient of linear expansion | 8x10 ⁻⁶ /°C |
| IZOD Impact strength | 2600mpa |
| Dielectric strength | 35kV/mm |
| Vicat softening point | 108°C |
| Halogen free according to VDE 0472 parts 813 & 815 | |

Combustibility

RAU-PCAB 648 is self extinguishing according to UL-94 VO at 1.5mm and 5VB at 2.5mm minimal release of toxic gases in the event of a fire.

VDE 0472 parts 813 & 815 Testing of Cable, Wires & Flexible cords
- Corrosivity of combustion gases and non halogen verification

Thermal Properties

RAU-PCAB is suitable for application range 30°C to +90°C.

Moulded Components

The materials used for moulded accessories are selected so their properties compliment those of the PVC trunking itself.

These material are as follows:-

RAU-PS - Polystyrene

RAU-ABS - Acrylonitrile-butadiene-styrene

RAU-SB - High impact polystyrene

RAU-POM - Polyacetal

Other Materials:-

Aluminium Products (SIGNO POL and Post)

Aluminium A1 Mg Si 0.5 according to BS 6063.

MATERIAL DATA

TABLE OF CHEMICAL RESISTANCE RAU PVC 1309

| | Concentration % | Temperature | Result |
|--------------------------------|-----------------|-------------|--------|
| Acetaldehyde, conc. | 100 | 20 | Nr |
| Acetaldehyde, aqueous | 40 | 40 | Pr |
| Acetaldehyde + acetic acid | 90/10 | 20 | Pr |
| Acetic acid, aqueous | Up to 25 | 40 | R |
| | Up to 25 | 60 | Pr |
| | 25-60 | 60 | R |
| | 80 | 40 | Pr |
| Acetic acid, crude | 95 | 40 | Pr |
| Acetic anhydride | 100 | 20 | Nr |
| | 100 | 40 | Nr |
| | 100 | 60 | Nr |
| Acetic ester | 100 | 20 | Nr |
| Acetone | 100 | 20 | Nr |
| | 100 | 60 | Nr |
| Acetone, aqueous | Traces | 20 | Nr |
| Acronal dispersions | Commerc. | 20 | R |
| Acronal solutions | Commerc. | 20 | Nr |
| Acrylic acid ethyl ester | 100 | 20 | Nr |
| Adipic acid, aqueous | Saturated | 20 | R |
| | Saturated | 60 | Pr |
| Aktivin, aqueous | 1 | 20 | R |
| Allyl alcohol | 96 | 20 | Pr |
| | 96 | 60 | Nr |
| Aluminium chloride, aqueous | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Alum, aqueous | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Ammonia, liquid | 100 | 20 | Pr |
| Ammonia, gaseous | 100 | 60 | R |
| Ammonia, water | Warm sat. | 40 | R |
| | Warm sat. | 60 | Pr |
| Ammonium chloride, aqueous | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Ammonium fluoride, aqueous | Up to 20 | 20 | R |
| | Up to 20 | 60 | Pr |
| Ammonium nitrate, aqueous | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Ammonium sulphate aqueous, | Diluted | 40 | Pr |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Ammonium sulphide, aqu. | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Aniline, pure | 100 | 20 | Nr |
| Aniline, pure | 100 | 60 | Nr |
| Aniline, aqueous | Saturated | 20 | Nr |
| | Saturated | 60 | Nr |
| Aniline chlorine hydrate, aqu. | Saturated | 20 | Pr |
| | Saturated | 60 | Nr |
| | 100 | 20 | Nr |

| | Concentration % | Temperature | Result |
|--|-----------------|-------------|--------|
| Anthraquinone sulphonic acid, aqueous | susp. | 30 | R |
| Antimony pentachloride, aqu. | 90 | 20 | R |
| Arsenic acid, aqueous | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | 80 | 40 | R |
| | 80 | 60 | Pr |
| Asfluid 1, liquid | - | 20 | Nr |
| Asfluid 1, dry (film) | - | 20 | Pr |
| Beef suet emulsion, sulphonated | Commerc. | 20 | R |
| Beer | Commerc. | 20 | R |
| Benzaldehyde, aqueous | 0.1 | 60 | Nr |
| Benzene | 100 | 20 | Nr |
| Benzine | 100 | 60 | R |
| Benzine-benzene mixture | 80/20 | 20 | Nr |
| Benzoic acid, aqueous | Any | 20 | R |
| | Any | 40 | R |
| | Any | 60 | Pr |
| Benzoic acid, aqueous | Up to 10 | 40 | R |
| | Up to 10 | 60 | Pr |
| | 36 | 60 | Pr |
| Bisulphite lye, containing SO ₂ | Warm sat. | 50 | R |
| Bleaching lye, 12.5% active Chlorine | Usual | 40 | R |
| Borax, aqueous | Usual | 60 | Pr |
| | Diluted | 40 | R |
| Boric acid, aqueous | Diluted | 60 | Pr |
| | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | Pr |
| Bromine, liquid | 100 | 20 | Nr |
| Bromine, vapours | Low | 20 | Pr |
| Butadiene | 100 | 60 | R |
| Butandiol | Up to 100 | 20 | Pr |
| Butandiol, aqueous | Up to 10 | 20 | R |
| | Up to 10 | 40 | Pr |
| | Up to 10 | 60 | Nr |
| Butane, gaseous | 50 | 20 | R |
| Butanol | Up to 100 | 20 | R |
| | Up to 100 | 40 | R |
| Butanol | Up to 100 | 60 | Pr |
| Butindiol | Up to 100 | 40 | Pr |
| Butyl acetate | 100 | 20 | Nr |
| Butylene, liquid | 100 | 20 | R |
| | 100 | 20 | Pr |
| Butyric acid, aqueous | 20 | 20 | R |
| | conc. | 20 | Nr |
| Calcium chloride, aqueous | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Calcium nitrate, aqueous | 50 | 40 | R |
| Carbolineum for fruit trees, aqueous | Usual | 20 | R |
| Carbon disulphide | 100 | 20 | Pr |

Key: R = Resistant Pr = Partial resistant Nr = Not resistant

| | Concentration % | Temperature | Result |
|--------------------------------------|-----------------|-------------|--------|
| Carbonic acid, dry | 100 | 60 | R |
| Carbonic acid, moist | Any | 40 | R |
| | Any | 60 | Pr |
| Carbonic acid, aqueous below 8 atm. | Saturated | 20 | R |
| Carbon tetrachloride, techn. | 100 | 20 | Pr |
| Caustic potash lye, Aqueous | Up to 40 | 40 | R |
| | Up to 40 | 60 | Pr |
| | 50/60 | 60 | R |
| Chloramine, aqueous | Diluted | 20 | R |
| Chloric acid, aqueous | 1 | 40 | R |
| | 1 | 60 | Pr |
| | 10 | 40 | R |
| | 10 | 60 | Pr |
| | 20 | 40 | R |
| | 20 | 60 | Pr |
| Chlorine, gaseous, dry | 100 | 20 | Pr |
| Chlorine, gaseous, moist | 0.5 | 20 | R |
| | 1 | 20 | Pr |
| | 5 | 20 | Pr |
| Chlorine water | Saturated | 20 | Pr |
| Chloroacetic acid (mono-) | 100 | 40 | R |
| | 100 | 60 | Pr |
| Chloroacetic acid (mono-), aqueous | 85 | 20 | R |
| Chloromethyl | 100 | 20 | Nr |
| Chlorsulphonic acid | 100 | 20 | Pr |
| Chromic acid, aqueous | Up to 50 | 40 | R |
| | Up to 50 | 60 | Pr |
| Chromic acid/sulphuric acid/water | 50/15/35 | 40 | R |
| | 50/15/35 | 60 | Pr |
| Chromium potassium Sulphate, aqueous | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Cider | Commerc. | 20 | R |
| Citric acid, aqueous | Up to 10 | 40 | R |
| | Up to 10 | 60 | Pr |
| | Saturated | 60 | R |
| Clophene | Commerc. | 20 | Pr |
| | Commerc. | 60 | Nr |
| Copper fluoride, aqueous | 2 | 50 | R |
| Coppersulphate, aqueous | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Cresol, aqueous | Up to 90 | 45 | Pr |
| Crotonic aldehyde | 100 | 20 | Nr |
| Cuprous chloride, aqueous | Saturated | 20 | R |
| Cyclanone | Commerc. | 20 | R |
| | Commerc. | 60 | R |
| Cyclohexanol | 100 | 20 | Nr |
| Cyclohexanone | 100 | 20 | Nr |
| Densodrin W | Commerc. | 60 | R |
| Dextrine, aqueous | Saturated | 20 | R |
| | 18 | 60 | Pr |
| Diglycolic acid, aqueous | 30 | 60 | Pr |

| | Concentration % | Temperature | Result |
|---|-----------------|-------------|--------|
| | Saturated | 20 | R |
| Dimethylamine, liquid | 100 | 30 | Pr |
| Ethyl acetate | 100 | 20 | Nr |
| | 100 | 60 | Nr |
| Ethyl alcohol, aqueous | Any | 20 | R |
| | 96 | 60 | Pr |
| Ethyl acetate, denatured (with 2% toluene) | 96 | 20 | R |
| Ethyl alcohol (fermentation mash) | Ind. stand. | 40 | R |
| | Ind. stand. | 60 | Pr |
| Ethyl alcohol + acetic Acid (fermentation mash) | Ind. stand. | 20 | R |
| Ethyl ether | 100 | 20 | R |
| Ethylene chloride | 100 | 20 | Nr |
| Ethylene oxide, liquid | 100 | 20 | Nr |
| Fatty acids | 100 | 60 | R |
| Filter alum, aqueous | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Formaldehyde, aqueous | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | 40 | 30 | R |
| Formic acid | 100 | 20 | Pr |
| Formic acid | 100 | 60 | Nr |
| Formic acid, aqueous | Up to 50 | 40 | R |
| | 50 | 60 | Pr |
| Freon | 100 | 20 | R |
| Fruit pulp | Ind. conc. | 20 | R |
| Gas liquor | Usual | 40 | Pr |
| Glacial acetic acid | 100 | 20 | Pr |
| | 100 | 40 | Nr |
| Glucose, aqueous | Saturated | 20 | R |
| | Saturated | 60 | Pr |
| Glycerine, aqueous | Any | 60 | R |
| Glycocol, aqueous | 10 | 40 | R |
| Glycol, aqueous | Commerc. | 60 | R |
| Glycolic acid, aqueous | 37 | 20 | R |
| Hexanetriol | Commerc. | 60 | R |
| Hydrobromic acid, aqueous | Up to 10 | 40 | R |
| | Up to 10 | 60 | Pr |
| | 48 | 60 | R |
| Hydrochloric acid, aqueous | Up to 30 | 40 | R |
| | Up to 30 | 60 | Pr |
| | over 30 | 20 | R |
| Hydrofluoric acid, aqueous | over 30 | 60 | R |
| | Up to 40 | 20 | R |
| | 40 | 60 | Pr |
| | 60 | 20 | Pr |
| | 70 | 20 | Pr |
| Hydrofluosilic acid, aqueous | Up to 32 | 60 | R |
| Hydrogen | 100 | 60 | R |
| Hydrogen peroxide, aqueous | Up to 30 | 20 | R |
| | Up to 20 | 50 | R |
| Hydrogen phosphide | 100 | 20 | R |

Key: R = Resistant Pr = Partial resistant Nr = Not resistant

| | Concentration % | Temperature | Result |
|---|-----------------|-------------|--------|
| Hydrogen sulphide, dry | 100 | 60 | R |
| Hydrogen sulphide, aqueous | Warm sat. | 40 | R |
| | Warm sat. | 60 | Pr |
| Hydrosulfite, aqueous | Up to 10 | 40 | R |
| | Up to 10 | 60 | Pr |
| Hydroxylamine sulphate, aqueous | Up to 12 | 35 | R |
| Iron chloride (ferri), aqu. | Up to 10 | 40 | R |
| | Up to 10 | 60 | Pr |
| | Saturated | 60 | R |
| Lactic acid, aqueous | Up to 10 | 40 | R |
| | Up to 10 | 60 | Pr |
| | 90 | 60 | Nr |
| Lead acetate, aqueous | Warm sat. | 50 | R |
| | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Liquers | Commerc. | 20 | R |
| Magnesium chloride, aqu. | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Magnesium sulphate, aqu. | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Maleic acid, aqueous | Saturated | 40 | R |
| | Saturated | 60 | Pr |
| | 35 | 40 | R |
| Malic acid, aqueous | 1 | 20 | R |
| Manure salts, aqueous | Up to 10 | 40 | R |
| | Up to 10 | 60 | P |
| | Saturated | 60 | R |
| Mersol D | Ind. Conc. | 40 | R |
| Methyl alcohol | 100 | 40 | R |
| | 100 | 60 | Pr |
| Methylamine, aqueous | 32 | 20 | Pr |
| Methylene chloride | 100 | 20 | Nr |
| Methyl sulphuric acid, aqueous | Up to 50 | 20 | R |
| | Up to 50 | 40 | Pr |
| | 100 | 40 | R |
| | 100 | 60 | Pr |
| Milk | Commerc. | 20 | R |
| Mixed acid 1 (sulph.acid/ nitric acid/water) | 48/49/3 | 20 | R |
| | 48/49/3 | 40 | Pr |
| | 50/50/0 | 20 | Pr |
| | 50/50/0 | 40 | Nr |
| | 10/20/70 | 50 | R |
| | 10/87/3 | 20 | Pr |
| | 50/31/19 | 30 | R |
| | Ind. Conc. | 60 | Pr |
| Molasses | Ind. Conc. | 20 | R |
| | Ind. Conc. | 60 | Pr |
| Molasses, aromatics for | Ind. Conc. | 60 | R |
| Mowilith D | Commerc. | 20 | R |
| Nekal, BX, aqueous | Diluted | 40 | R |
| Nekal, BX, aqueous | Diluted | 60 | Pr |

| | Concentration % | Temperature | Result |
|--|-----------------|-------------|--------|
| Nickel sulphate, aqueous | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Nicotine, aqueous | Usual | 20 | R |
| Nictone preparations, aqu. | Usual | 20 | R |
| Nitrate of silver, aqueous | Up to 8 | 40 | R |
| | Up to 8 | 60 | Pr |
| Nitric acid, aqueous | Up to 30 | 50 | R |
| | 30/50 | 50 | R |
| | 98 | 20 | Nr |
| | 98 | 60 | Nr |
| Nitrous fumes | conc. | 20 | Pr |
| | conc. | 60 | Nr |
| Oils, fats and greases | Commerc. | 60 | R |
| Oleic acid | Commerc. | 60 | R |
| Oleum | 10 | 20 | Nr |
| Oleum fumes | Lower | 20 | R |
| | Higher | 20 | Pr |
| Oxalic acid, aqueous | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Oxygen | Any | 60 | R |
| Ozone | 100 | 20 | R |
| | 10 | 30 | R |
| Palm nut fatty acids | 100 | 60 | R |
| Paraffin emulsions | Commerc. | 20 | R |
| | Commerc. | 40 | R |
| Perchloric acid, aqueous | Up to 10 | 40 | R |
| | Up to 10 | 60 | Pr |
| | Saturated | 60 | R |
| Phenol, aqueous | Up to 90 | 45 | Pr |
| | 1 | 20 | R |
| Phenylhydrazine | 100 | 20 | Nr |
| | 100 | 60 | Nr |
| Phenylhydrazine- hydrochloride, aqueous | Saturated | 20 | Pr |
| | Saturated | 60 | Nr |
| Phosgene, gaseous | 100 | 20 | R |
| | 100 | 60 | Pr |
| Phosgene, liquid | 100 | 20 | Nr |
| Phosphoric acid, aqueous | Up to 30 | 40 | R |
| | Up to 30 | 60 | Pr |
| | 40 | 60 | R |
| | 80 | 20 | R |
| | 80 | 60 | R |
| Phosphorous pentoxide | 100 | 20 | R |
| Phosphorous trichloride | 100 | 20 | Nr |
| Photo developer | Commerc. | 40 | R |
| Photo emulsions | Any | 40 | R |
| Photo fixing baths | Commerc. | 40 | R |
| Picric acid, aqueous | 1 | 20 | R |
| Potassium bichromate, aqueous | 40 | 20 | R |
| Potassium borate, aqueous | 1 | 40 | R |
| | 1 | 60 | Pr |

Key: R = Resistant Pr = Partial resistant Nr = Not resistant

| | Concentration % | Temperature | Result |
|---|-----------------|-------------|--------|
| Potassium bromate, aqu. | Up to 10 | 40 | R |
| | Up to 10 | 60 | Pr |
| Potassium bromide, aqu | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| Potassium bromide, aqu | Saturated | 60 | R |
| Potassium carbonate, aqu. | Saturated | 40 | R |
| Potassium chloride, aqu. | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Potassium chromate, aqu. | 40 | 20 | R |
| Potassium cyanide, aqu. | Up to 10 | 40 | R |
| | Up to 10 | 60 | Pr |
| | Saturated | 60 | R |
| Potassium ferricyanide and potassium ferrocyan., aqu. | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Potassium nitrate, aqu. | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Potassium perchlorate, aqu. | 1 | 40 | R |
| | 1 | 60 | Pr |
| Potassium permanganate, aqu | Up to 6 | 20 | R |
| | Up to 6 | 40 | R |
| | Up to 6 | 60 | R |
| | Up to 18 | 40 | R |
| Potassium persulphate, aqu. | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 40 | R |
| | Saturated | 60 | Pr |
| Propane, gaseous | 100 | 20 | R |
| Propane, liquid | 100 | 20 | R |
| Propargyl alcohol, aqu. | 7 | 60 | R |
| Ramasite | Commerc. | 20 | R |
| | Commerc. | 40 | R |
| Roasting gases, dry | Any | 60 | R |
| Sea water | - | 40 | R |
| | - | 60 | Pr |
| Silicic acid, aqueous | Any | 60 | R |
| Soap solution, aqueous | conc. | 20 | R |
| | conc. | 60 | Pr |
| Soda, aqueous | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Soda lye, aqueous | Up to 40 | 40 | R |
| | Up to 40 | 60 | Pr |
| | 50/60 | 60 | R |
| Sodium bisulphite, aqueous | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Sodium chlorate, aqueous | Up to 10 | 40 | R |
| | Up to 10 | 60 | Pr |
| | Saturated | 60 | R |

| | Concentration % | Temperature | Result |
|---------------------------------------|-----------------|-------------|--------|
| Sodium chloride, aqueous | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Sodium chlorite, aqueous | Diluted | 20 | Pr |
| | Diluted | 60 | Nr |
| Sodium hypochlorite, aqu. | Diluted | 20 | R |
| Sperm oil alcohol | Commerc. | 20 | R |
| Spinning bath acids, containing CS2 | 0.01 | 52 | R |
| | 0.02 | 52 | Pr |
| | 0.07 | 52 | Nr |
| Spirits (brandy, whisky etc.) | Commerc. | 20 | R |
| Stannous chloride, aqueous | Diluted | 60 | Pr |
| Starch, aqueous | Any | 40 | R |
| | Any | 60 | Pr |
| Starch sirup | Ind. Conc. | 60 | R |
| Stearic acid | 100 | 60 | R |
| Sulphur dioxide, aqueous below 8 atm. | Saturated | 20 | R |
| | | | |
| Sulphur dioxide, dry | Any | 60 | R |
| Sulphur dioxide, liquid | 100 | -10 | Pr |
| | 100 | 20 | Pr |
| | 100 | 60 | Nr |
| Sulphurb dioxide, moist and aqueous | Any | 40 | R |
| | 50 | 50 | R |
| | Any | 60 | Pr |
| Sulphuric acid, aqueous | Up to 40 | 40 | R |
| | Up to 40 | 60 | Pr |
| | 70 | 20 | R |
| | 70 | 60 | R |
| | 80-90 | 40 | R |
| | 96 | 20 | R |
| Sulphuric sodium, aqueous | 96 | 60 | Pr |
| | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| Tallow | Saturated | 60 | R |
| | 100 | 20 | R |
| Tanigan special A, aqu. | 100 | 60 | R |
| | Any | 20 | R |
| Tanigan special B, aqu. | Any | 20 | R |
| Tanigan special D, aqu. | Saturated | 40 | Pr |
| | Saturated | 60 | Nr |
| Tanigan F, aqueous | Saturated | 60 | R |
| Tanigan U, aqueous | Saturated | 40 | R |
| | Saturated | 60 | Pr |
| Tanning extracts, of cellulose | Usual | 20 | R |
| Tanning extracts, Vegetable | Usual | 20 | R |
| Tartaric acid | Up to 10 | 40 | R |
| | Up to 10 | 60 | Pr |
| | Saturated | 60 | R |
| Tetraethyl lead | 100 | 20 | R |
| Thionyl chloride | 100 | 20 | Nr |
| Toluene | 100 | 20 | Nr |

Key: R = Resistant Pr = Partial resistant Nr = Not resistant

| | Concentration % | Temperature | Result |
|--|-----------------|-------------|--------|
| Trichloroethylene | 100 | 20 | Nr |
| Triethanolamine | 100 | 20 | Pr |
| Trilone | Commerc. | 60 | R |
| Trimethylol propane, aqu. | Up to 10 | 40 | R |
| | Up to 10 | 60 | Pr |
| | Commerc. | 40 | Pr |
| | Commerc. | 60 | Pr |
| Urea, aqueous | Up to 10 | 40 | R |
| | Up to 10 | 60 | Pr |
| | 33 | 60 | R |
| Urine | Normal | 40 | R |
| | Normal | 60 | Pr |
| Vinegar (wine vinegar) | Commerc. | 40 | R |
| | Commerc. | 50 | R |
| | Commerc. | 60 | Pr |
| Vinyl acetate | 100 | 20 | Nr |
| Waste gases, containing carbonic acid | Any | 60 | R |
| Waste gases, containing fluorine-hydrogen | Traces | 60 | R |
| Waste gases, containing hydrochloric acid | Any | 60 | R |
| Waste gases, containing nitrous vitriol | Traces | 60 | R |
| | Higher | 60 | Nr |
| Waste gases, containing oleum | Lower | 20 | R |
| | Higher | 20 | Nr |
| Waste gases, containing sulphuric acid, moist | Any | 60 | R |
| Waste gases, contain. SO2 | Lower | 60 | R |
| | 50 | 50 | R |
| Water | 100 | 40 | R |
| | 100 | 60 | Pr |
| Wax alcohol | 100 | 60 | R |
| Wine, red and white | Commerc. | 20 | R |
| Xylene | 100 | 20 | Nr |
| Zinc chloride, aqueous | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |
| Zinc sulphate, aqueous | Diluted | 40 | R |
| | Diluted | 60 | Pr |
| | Saturated | 60 | R |

Key: R = Resistant Pr = Partial resistant Nr = Not resistant