



Fleximake Pty Ltd

A.B.N 55 146 538 301
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Telephone: (03) 8772 2228 | 1300 195 295
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Material Data Sheet

Food Grade RPVC 900gsm

PVC coated fabric for use in contact with potable water. Conform to requirements in AS/NZ 4020

Properties	Typical Characteristics
Test Standard	Metric Units
Base Fabric	High tenacity 1,000 Denier Polyester Yan woven in 2 x 2 panama design
Total Weight	900 g/m ²
Tensile Strength Wrap AS2001.23	4,300N
Tensile Strength Weft AS2001.23	3,500N
Tear Resistance Wrap AS2001.2.10	550 N
Tear Resistance Weft AS2001.2.10	500 N
Flex Cracking AS1441	400,000 Cycles, No cracking
Coating Adhesion AS1441	70N /50mm (Minimum)
Features	All polymers, plasticisers and other additives are food contact approved and all conform to the restrictions in AS/NZ 4020

The above data was provided by our material manufacturer. This product data sheet is subjected to revisions once additional know-how is gained. We make no guarantee of results and assume no obligation liability whatsoever in connection with this information.



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Fluid Resistance Guidelines (RPVC)

Rating Description

- E = Resistant (Good for continuous exposure)
- G = Good for intermittent exposure
- F = Use only where limited life is acceptable
- X = Do not use

Fluid	Concentration (%)	Rating
ASTM® Fuel A		F
ASTM® Fuel B		X
ASTM® Oil No. 1		G
ASTM® Oil No. 3		F
Acetate Solvents		X
Acetic Acid (Glacial)		F
Acetic Acid	40	G
Acetic Acid	10	G
Acetic Anhydride		X
Acetone		X
Acrylonitrile		E
Alcohols (Aliphatic)		F
Alkalies		E
Aluminum Salts		E
Aluminum Chloride		E
Aluminum Sulfate (Alums)		E
Ammonia (Dry Gas)		E
Ammonia (Anhydrous Liquids)		X
Ammonia (Aqueous)		E
Ammoniated Latex		E
Ammonium Chloride		E
Ammonium Chloride	10	E
Ammonium Hydroxide		E
Amyl Acetate		X
Aniline		E
Aniline Oils		X
Animal Fats & Oils		E



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Anthracene		X
Aromatic Fuels		X
Aromatic Hydrocarbons		X
Asphalt		X
Banana Oil X		X
Barium Chloride		E
Barium Hydroxide		E
Barium Sulfide		E
Benzene		X
Benzine (Petroleum Ether)		F
Borax		E
Bordeaux Mixture		E
Boric Acid		E
Brine		E
Bromine		X
Butyl Acetate		X
Butyl Alcohol		G
Calcium Chloride	20	E
Calcium Chloride	10	E
Calcium Hydroxide		E
Calcium Hypochlorite		E
Carbolic Acid (Phenol)		G
Carbon Dioxide		E
Carbon Disulfide		X
Carbon Tetrachloride		X
Carbonic Acid		E
Casein		E
Castor Oil		E
Caustic Soda		E
Chlorine (water solution)	40	F
Chlorine Gas (dry & wet)		X
Chlorobenzene		X
Chloroform		X
Chromic Acid	40	F
Chromic Acid	10	G
Chromic Acid	1	E
Citric Acid		E
Coal Tar		X
Coconut Oil		F
Corn Oil		E
Cottonseed Oil		F
Creosote		X
Cresol		F



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Cresylic Acid		X
Cyclohexane		G
Cyclohexanone		G
DDT Weed Killer		E
Degreasing Fluids		X
Detergents (dish washing)		E
Di Iso Cyante		F
Di Methyl Formamide		X
Di Methyl Hydrazine		X
Di-isodecyl Phthalate		X
Dibutyl Phthalate		X
Dichloroethylene		X
Diesel Fuel		X
Diesel Oils		F
Diethyl Ether		E
Diethylene Glycol		G
Diocetyl Phthalate (DOP)		X
Dow General Weed Killer (H2O)		G
Dow General Weed Killer		X
Esters		X
Ether		X
Ethyl Acetate		X
Ethyl Alcohol (Ethanol)		F
Ethylene Dichloride		X
Ethylene Glycol	50	G
Ethylene Oxide		X
Fatty Acids		E
Ferric Chloride		E
Ferric Sulfate		E
Ferrous Chloride		E
Ferrous Sulfate		E
Formaldehyde	40	X
Formic Acid	10	E
Freons		X
Fuel Oil		G
Furfurol		F
Gallic Acid		E
Gasoline - 100 Octane		F
Glycerine		E
Grease		E
Green Sulfate Liquor		E
Heptachlor in Petroleum		E
Heptane		F



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Hexane		F
Hydraulic Fluids - Ester Base		X
Hydraulic Fluids - Petroleum		F
Hydrobromic Acid		E
Hydrochloric Acid (Muriatic)	40	F
Hydrochloric Acid	10	G
Hydrochloric Acid	1	E
Hydrofluoric Acid	70	X
Hydrofluoroboric Acid	40	F
Hydrofluoroboric Acid	10	G
Hydrogen Peroxide	30	G
Hydrogen Peroxide	10	E
Hydrogen Peroxide	2	E
Isooctane		F
Isopropyl Acetate		X
Isopropyl Alcohol		G
Jet Fuels (JP-3, 4, and 5)		F
Kerosene		F
Ketones		X
Lacquer Thinners		X
Linseed Oil		E
Lubricating Oils, Greases, Soaps		E
Magnesium Chloride		E
Magnesium Hydroxide	10	E
Magnesium Sulfate		E
Malathion 50 in Aromatics		X
Malic Acid		E
Methyl Acetate		X
Methyl Alcohol		F
Methyl Bromide		X
Methylene Chloride		X
Methyl Ethyl Ketone		X
Methyl Isobutyl Ketone		X
Mineral Oil		E
Monochlorobenzene		X
Naphtha		F
Naphthalene		X
Nitric Acid		X
Nitric Acid	70	F
Nitric Acid	35	G
Nitric Acid	10	E
Nitrobenzene		X
Nitropropane		X



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Oleic Acid		E
Oleum		X
Oxalic Acid		E
Paint		X
Paint Thinners		X
Palmitic Acid		E
Pentachlorophenol Oil		G
Pentane		F
Perchloric Acid	70	X
Perchloric Acid	10	E
Perchloroethylene		X
Petroleum Ether		F
Phenol		G
Phosphoric Acid	85	E
Phosphoric Acid	50	E
Phosphoric Acid	10	E
Photographic Developer		E
Phthalates		X
Pitch		G
Potassium Hydroxide	50	E
Potassium Hydroxide	10	E
Power Steering Fluid		X
Propane		E
Propyl Alcohol		G
Propylene Glycol		E
Pydraul		X
Ritchfield "A" Weed Killer		F
Seawater		E
Silicone Oil		E
Silver Nitrate		F
Skydrol Oil - Type B		X
Sodium Cyanide		E
Sodium Hydroxide		G
Sodium Hydroxide	50	E
Sodium Hydroxide	10	E
Sodium Hypochlorite	PH13	G
Solvesso		X
Soybean Oil		F
Stoddard Solvent		X
Styrene		X
Sulfur Dioxide (Liquid)		X
Sulfuric Acid		X
Sulfuric Acid	75	F



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Sulfuric Acid	60	G
Sulfuric Acid	40	E
Sulfuric Acid	25	E
Sulfuric Acid	10	E
Sulfurous Acid	40	G
Tall Oil X		X
Tannic Acid		E
Tetra Ethyl Lead		X
Tetra Hydro Furan		X
Toluene		X
Toluol		X
Trichlorethane		X
Trichlorethylene		X
Tricresyl Phosphate (Skydrol)		X
Triethanol Amine		F
Trisodium Phosphate		E
Tung Oil		F
Turpentine		F
Varsol		X
Vegetable Oils and Juices		E
Vinegar		E
Vinyl Chloride		X
Water		E
Wood Preservatives		X
Xylene		X
Xylols X		X
Zinc Chloride		E
Zinc Sulfate		E

The data above is intended to serve only as a guide. No performance warranty is intended or implied. The degree of chemical attack on any material is governed by the conditions under which it is exposed. Exposure time, temperature, and size of the area of exposure usually varies considerably in application, therefore, this table is given and accepted at the user's risk. Confirmation of the validity and suitability in specific cases should be obtained.

When considering RPVC for specific applications, it is suggested that a sample be tested in actual service before specification. Where impractical, tests should be devised which simulate actual service conditions as closely as possible.