

PVC BRAID REINFORCED TYPE RPVC & HDPVC TECHNICAL DATA

APPLICATIONS:

- Water Supply and Draining
- Transfer of various Fluids and Powder
- Supplying Water, Gas, Oil etc. in Agriculture and Industry
- Other Special Purpose (refer to technical)

CHARACTERISTICS:

- Excellent Abrasion Resistance
- Flexibility Good
- High Resistance to Alkalis/Acids
- Silicone Free
- Cadmium Free
- Low Toxicity
- Transparency Excellent
- Manufactured to Comply with BS6066 & ISO5774
- The Hose has been Tested and complies with US FDA Standards (Food Grade)
- Durable, Anti-Cold Proof, Non-inflated
- High-Flexibility, Light-Weight and Easy to Handle
- No Fissure Phenomenon by Ultraviolet Rays and Direct Rays of the Sun
- Little Expansion or Contraction
- Temperature Range -20°C to +65°C
- All technical specifications remain the same for colour variants in each of the corresponding sizes



Part No	Nominal Dimension Inch	Size I.D. x O.D. mm	MAX. Working Pressure bar	Burst Pressure bar	Bend Radius mm	Weight KG/Roll
RPVC18	1/8"	3 x 8	13	50	15	1.10
RPVC532	5/32"	4 x 9	13	50	17	1.80
RPVC316	3/16"	5 x 10	13	50	20	2.10
RPVC14	1/4"	6 x 11	15	65	25	2.30
RPVC516	5/16"	8 x 13	15	58	33	2.70
RPVC38	3/8"	10 x 15	12	45	40	3.20
RPVC12	1/2"	13 x 18	12	40	52	4.00
RPVC58	5/8"	16 x 21	10	35	64	5.00
RPVC34	3/4"	19 x 25	10	32	76	7.10
RPVC1	1"	25 x 31	9	28	100	8.90
RPVC114	1.1/4"	32 x 40	6	26	125	16.00
RPVC112	1.1/2"	38 x 46	5	20	152	19.00
RPVC2	2"	50 x 60	3	17	200	31.00
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HDPVC14	1/4"	6.5 x 11.5	16	65	30	2.50
HDPVC516	5/16"	8 x 13.5	16	58	35	3.30
HDPVC38	3/8"	10 x 16	15	45	45	3.50
HDPVC12	1/2"	12.5 x 18.5	12	40	52	5.00
HDPVC58	5/8"	16 x 23	10	35	74	7.80
HDPVC34	3/4"	20 x 26	10	32	80	7.30
HDPVC1	1"	25 x 33	10	28	110	12.80
HDPVC114	1.1/4"	32 x 41	6	26	130	18.90
HDPVC112	1.1/2"	40 x 49	6	20	165	23.00
HDPVC2	2"	50 x 62	3	17	220	38.00

Given working pressure are based on an ambient temperature of 20°C. Due to the natural properties of PVC as the ambient temperature increases the pressures the hose will withstand decreases at a average rate of 15% per increase of 10°C and in similar increments thereafter.

CHEMICAL RESISTANCE CHART

N	PUR	PE	PVC		N	PUR	PE	PVC		N	PUR	PE	PVC	
-	-	-	-	Acetic Acid, Glacial	-	4	1	4	Ethylene Chloride	3	2	-	4	Picric Acid
4	4	1	4	Acetic acid, 30%	-	4	1	4	Ethylene Glycol	4	4	-	-	Potassium Acetate (aq)
4	4	2	4	Acetone	-	4	4	2	Ethylene Oxide	4	1	1	1	Potassium Chloride (aq)
4	4	1	1	Acetylene	-	4	4	1	Ethylene Trichloride	4	1	1	1	Potassium Cyanide (aq)
4	-	-	-	Akazene	-	4	4	-	Ferric Chloride (aq)	3	4	1	1	Potassium Hydroxide (aq)
3	3	2	1	Aluminum Chloride (aq)	-	3	2	1	Ferric Nitrate (aq)	1	1	1	1	Producer Gas
-	-	-	-	Aluminum Nitrate (aq)	-	3	-	-	Ferric Sulfate (aq)	1	3	3	1	Propane
4	4	2	1	Ammonia Anhydrous	-	4	2	1	Fluorine (Liqued)	4	4	-	-	Propyl Alcohol
3	3	-	-	Ammonia Gas (cold)	-	3	-	-	Formaldehyde (RT)	4	-	-	-	Propylene
4	4	-	-	Ammonia Gas (hot)	-	4	-	-	Formic Acid	4	-	-	-	Propylene Oxide
1	1	1	1	Ammonium Chloride (aq)	-	1	1	1	Freon 11	4	4	-	-	Pydraul, 10E, 29 ELT
1	1	1	1	Ammonium Sulfate (aq)	-	1	1	1	Freon 12	4	-	-	-	Pydraul 30E, 50E, 65E
-	-	-	-	Amyl Alcohol	-	4	2	1	Freon 22	4	4	-	-	Pydraul,115E
4	4	-	-	Amyl Naphthalene	-	4	-	-	Fuel Oil	4	-	-	-	Pydraul 230E, 312C, 540C
1	1	-	-	Animal Fats	-	1	-	-	Futural Glucose	2	2	-	-	Rapeseed Oil
4	4	2	3	Aqua Regia	-	4	2	3	Glue	1	1	-	-	Red Oil (MIL-H-5606)
4	3	2	1	Arsenic Acid	-	3	2	1	Glycerin	1	1	-	-	RJ-1 (MIL-F-2338 B)
2	2	1	1	Asphalt	-	2	1	1	Glycols	1	1	-	-	RP-1 (MIL-F-25576 C)
2	2	-	-	ASTM Fuel A	-	2	-	-	Green Sultate Liquor	1	2	1	1	Salt Water
3	3	-	-	ASTM Fuel B	-	3	-	-	Hexane	4	4	-	-	Sewage
3	3	1	1	ASTM Fuel C	-	3	1	1	Hydraulic Oil	2	1	-	-	Silicate Esters
1	1	1	1	Barium Chloride (aq)	-	1	1	1	Hydrochloric Acid (cold) 37%	1	1	-	-	Silicone Oils
2	2	1	1	Beer	1	2	1	1	Hydrochloric Acid (hot) 37%	1	1	1	1	Silver Nitrate
4	4	1	1	Beet Sugar Liquors	-	4	1	1	Hydrofluoric Acid (Conc.)Cold	4	4	2	1	Silver Nitrate
1	3	3	3	Benzene	1	3	3	3	Hydrofluoric Acid (Conc.) Hot	-	4	-	-	Skydrol 700
2	2	-	-	Benzine	-	2	-	-	Hydrogen Gas	1	3	3	1	Soap Solutions
4	4	-	-	Blast Furnace Gas	-	4	-	-	Isobutyl Alcohol	1	1	1	1	Sodium Chloride (aq)
1	1	1	1	Bleach Solutions	-	1	1	1	Isocetane	2	4	2	1	Sodium Hydroxide (aq)
1	1	1	2	Borax	-	1	1	2	Isopropyl Acetate	4	4	1	2	Sodium Peroxide (aq)
1	1	1	1	Boric Acid	-	1	1	1	Isopropyl Alcohol	1	1	-	-	Sodium Phosphate (aq)
-	-	-	-	Brake Fluid	-	4	-	-	Isopropyl Ether	-	1	1	1	Sodium Sultate (aq)
4	2	4	3	Brine	-	2	4	3	Kerosene	-	2	1	1	Soy Bean Oil
4	2	-	-	Bromine Water	4	4	-	-	Lacquers	4	4	-	-	Steam Under 300°F
1	1	3	3	Bunker Oil	1	1	3	3	Lacquer Solvents	4	4	-	-	Steam Over 300°F
1	1	-	-	Butane	-	1	-	-	Lard	3	1	3	3	Stoddard Solvent
3	4	1	2	Butyl Alcohol	3	4	1	2	Lavender Oil	-	3	-	4	Styrene
4	4	1	1	Butylene	-	4	1	1	Lead Acetate (aq)	4	3	-	-	Sucrose Solution
1	1	2	1	Calcium Chloride (aq)	1	1	2	1	Linseed Oil	4	3	1	1	Sulfuric Acid (Dilute)
1	1	2	1	Calcium Hydroxide (aq)	-	1	2	1	Liquified Petrolateum Gos	4	3	4	-	Sulfuric Acid (Conc.)
1	1	-	-	Calcium Nitrate (aq)	1	1	-	-	Lubricating Oils	4	3	-	-	Sulfuric Acid (20% Oleum)
1	1	-	-	Calcium Sulfide (aq)	-	1	-	-	Lye	4	3	2	1	Sulfurous Acid
-	-	-	-	Cane Sugar Liquors	-	4	-	-	Magnesium Chloride (aq)	1	2	1	-	Tannic Acid
3	3	2	3	Carbolic Acid	-	3	2	3	Magnesium Hydroxide (aq)	-	4	2	4	Tetrochloroethylene
1	1	3	1	Carbon Dioxide	-	1	3	1	Mercury	1	4	3	4	Toluene
1	1	2	1	Carbonic Acid	-	1	2	1	Methane	-	1	-	-	Transformer Oil
1	2	1	1	Carbon Monoxide	-	1	2	1	Methyl Acetate	-	1	-	-	Transmission Fluid Type A
3	4	2	2	Carbon Tetrachloride	3	4	2	2	Methyl Acrylate	3	4	-	3	Trichloroethane
-	-	-	-	Castor Oil	-	1	-	-	Methyl Alcohol	4	3	4	-	Trichloroethylene
4	4	2	1	Chlorine (dry)	4	4	2	1	Methyl Butyl Ketone	-	1	3	-	Turbine Oil
4	4	1	1	Chlorine (wet)	4	4	-	1	Methyl Chloride	1	4	3	2	Turpentine
3	4	3	4	Chloroform	3	4	3	4	Methylene Chloride	1	3	3	4	Varnish
4	4	3	4	Chlorox	4	4	-	-	Methyl Ethyl Ketone	1	4	2	1	Vinegar
4	4	1	1	Chromic Acid	4	4	1	1	Methyl Isobutyl Ketone	1	4	-	-	Vinyl Chloride
1	1	1	2	Citric Acid	1	1	1	2	Milk	1	1	1	1	Water
1	3	-	-	Coal Tar	-	3	-	-	Mineral Oil	1	2	3	1	Whiskey
2	2	-	-	Coconut Oil	-	2	-	-	Naphtha	-	1	-	-	White Oil
1	1	-	-	Cod Liver Oil	-	1	-	-	Naphthalene	-	3	-	-	Wood Oil
4	4	-	-	Coke Oven Gas	-	4	-	-	Natural Gas	2	4	3	4	Xylene
1	1	2	1	Copper Chloride (aq)	-	1	2	1	Neatsfoot Oil	4	4	1	-	Zinc Acetate (aq)
-	-	-	-	Copper Chloride (aq)	-	1	2	1	Nitric Acid (Conc.)	1	1	-	1	Zinc Chloride (aq)
-	-	-	-	Copper Chloride (aq)	-	1	2	1	Nitric Acid (Dilute)	-	-	-	-	-
1	1	3	2	Com Oil	-	1	3	2	Nitroethane	-	-	-	-	-
1	1	2	2	Cotton Seed Oil	-	1	2	2	Nitrogen	-	-	-	-	-
4	4	3	4	Creosot	4	4	3	4	N-Octane	-	-	-	-	-
1	1	2	4	Cyclohexane	1	1	2	4	Oleic Acid	-	-	-	-	-
4	4	-	-	Denatured Aicohol	-	4	-	-	Oleum Spirits	-	-	-	-	-
-	-	-	-	Detergent Solution	-	4	1	1	Olive Oil	-	-	-	-	-
3	3	1	1	Diesel Oil	-	3	3	1	Oxygen-Cold	-	-	-	-	-
4	4	-	-	Dioxane	-	4	-	-	Oxygen (200-400°F)	-	-	-	-	-
3	3	-	-	Dowtherm Oil	-	3	-	-	Paint Thnner, Duco	-	-	-	-	-
4	4	-	-	Dry Cleaning Fluids	-	4	-	-	Perchloric Acid	-	-	-	-	-
3	3	-	4	Ethane	-	3	-	4	Perchloroethylene	-	-	-	-	-
-	-	-	-	Ethyl Acrylate	-	4	-	-	Petrolenm-Below 250°F	-	-	-	-	-
4	4	-	-	Ethyl Alcohol	3	4	-	-	Petroleum-Above 250 F	-	-	-	-	-
2	2	-	-	Ethyl Benzine	-	4	-	-	Phenol	-	-	-	-	-
2	2	-	-	Ethyl Cellulose	-	2	-	-	Phenyl Ethyl Ether	-	-	-	-	-
2	2	-	-	Ethyl Chloronde	-	2	-	-	Phosphoric Acid-45%	-	-	-	-	-
3	3	-	-	Ethyl Ether	-	3	-	-	Pickling Solution	-	-	-	-	-

NYLON 6, 12 & POLYURETHANE ETHER BASE/PE POLYETHYLENE/PVC POLYVINYL CHLORIDE

Please Note: The above ratings are very general guidelines and designed only to be used as an initial screening tool.

Careful testing under actual conditions essential. Accuracy for these ratings is not given or implied.

Ratings: 1. Little or no impact/
2. Minor effect/ 3. Moderate effect/
4. Severe effect.