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
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	
-	4	1	4	Acetic Acid. Glacial
-	4	1	4	Acetic acid. 30%
-	4	2	4	Acetone
-	4	1	1	Acetylene
-	4	-	-	Akazene
-	3	2	1	Aluminum Choride (aq)
-	3	-	-	Aluminum Nitrate (aq)
-	4	2	1	Ammonia Anhyarous
-	3	-	-	Ammonia Gas (cold)
-	4	-	-	Ammonia Gas (hot)
-	1	1	1	Ammonium Chioride (aq)
-	1	1	1	Ammonium Sulfate (aq)
-	4	2	1	Amyl Alcohol
-	4	-	-	Amyl Naphthalene
-	1	-	-	Animal Fats
-	4	2	3	Aqua Regia
-	3	2	1	Arsenic Acid
-	2	1	1	Asphalt
-	2	-	-	ASTM Fuel A
-	3	-	-	ASTM Fuel B
-	3	1	1	ASTM Fuel C
-	1	1	1	Barium Choride (aq)
1	2	1	1	Beer
-	4	1	1	Beet Sugar Liquors
1	3	3	3	Benzene
-	2	-	-	Benzine
-	4	-	-	Blast Furnace Gas
-	4	-	1	Bleac Solutions
-	1	1	2	Borax
-	1	1	1	Boric Acid
-	4	-	-	Brake Fluid
-	2	4	3	Brine
4	4	-	-	Bromine Water
-	2	-	-	Bunker Oil
1	1	3	3	Butane
-	1	-	-	Butter
3	4	1	2	Butyl Alcohol
-	4	1	1	Butylene
1	1	2	1	Calcium Chioride (aq)
-	1	2	1	Calcium Hydroxide (aq)
1	1	-	-	Calcium Nitrate (aq)
-	1	-	-	Calcium Sulfide (aq)
-	4	-	1	Cane Sugar Liquors
-	3	2	3	Carbollc Acid
-	1	3	1	Carbon Dioxide
-	1	2	1	Carbonic Acid
-	1	2	1	Carbon Monoxide
3	4	2	2	Carbon Tetrachloride
-	1	-	1	Castor Oil
4	4	2	1	Chlorine (dry)
4	4	-	1	Chlorine (wet)
3	4	3	4	Chloroform
-	4	-	-	Chlorox
4	4	1	1	Chromic Acid
1	1	1	2	Citric Acid
-	3	-	-	Coal Tar
-	2	-	1	Coconut Oil
-	1	-	1	Cod Liver Oil
-	4	-	-	Coke Oven Gas
-	1	2	1	Copper Chloride (aq)
-	1	2	1	Copper Chloride (aq)
-	1	3	2	Com Oil
-	1	2	2	Cotton Seed Oil
4	4	3	4	Creosot
1	1	2	4	Cychlohexane
-	4	-	-	Denatured Aicohol
-	4	1	1	Detergent Solution
-	3	3	1	Diesel Oil
-	4	-	-	Dioxane
-	3	-	-	Dowtherm Oil
-	4	-	-	Dry Cteaning Fluids
-	3	-	4	Ethane
-	4	-	-	Ethyl Acrylate
3	4	-	-	Ethyl Alcohol
-	4	-	-	Ethyl Benzine
-	2	-	-	Ehtyl Cellulose
-	2	-	-	Ethyl Chlonde
-	3	-	-	Ethyl Ether

N	PUR	PE	PVC	
-	4	1	4	Ethylene Chloride
-	4	1	4	EthyleneGlycol
-	4	2	4	Ethylene Oxide
-	4	1	1	Ethylene Trichloride
-	4	-	-	Ferric Chloride (aq)
-	3	2	1	Ferric Nitrate (aq)
-	3	-	-	Ferric Sulfate (aq)
-	4	2	1	Fluorine (Liqued)
-	3	-	-	Formaldehyde (RT)
-	4	-	-	Formic Acid
-	1	1	1	Freon 11
-	1	1	1	Freon 12
-	4	2	1	Freon 22
-	4	-	-	Fuel Oil
-	1	-	-	Futural Glucose
-	4	2	3	Glue
-	3	2	1	Glycerin
-	2	1	1	Glycols
-	2	-	-	Green Sultate Liquor
-	3	-	-	Hexane
-	3	1	1	Hydraulic Oil
-	1	1	1	Hydrochloric Acid (cold) 37 %
1	2	1	1	Hydrochioric Acid (hot) 37%
-	4	1	1	Hydrofluoric Acid (Conc.)Cold
1	3	3	3	Hydrofluoric Acid (Conc.) Hot
-	2	-	-	Hydrogen Gas
-	4	-	-	Isobutyl Alcohol
-	4	-	1	Isooctane
-	1	1	2	Isopropyl Acetate
-	1	1	1	Isopropyl Alcohl
-	4	-	-	Isopropyl Ether
-	2	4	3	Kerosene
4	4	-	-	Lacquers
-	2	-	-	Lacquer Solvents
1	1	3	3	Lard
-	1	-	-	Lavender Oil
3	4	1	2	Lead Acetate (aq)
-	4	1	1	Linseed Oil
1	1	2	1	Liquified Petrolateum Gos
-	1	2	1	Lubricating Oils
1	1	-	-	Lye
-	1	-	-	Magnesium Chloride (aq)
-	4	-	1	Magnesium Hydroxlde (aq)
-	3	2	3	Mercury
-	1	3	1	Methane
-	1	2	1	Methyl Acetate
-	1	2	1	Methyl Acrylate
3	4	2	2	Methyl Alcohol
-	1	-	1	Methyl Butyl Ketone
4	4	2	1	Methyl Cholride
4	4	-	1	Methylene Cholride
3	4	3	4	Methyl Ethyl Ketone
-	4	-	-	Methyl Isobutl Ktone
4	4	1	1	Milk
1	1	1	2	Mineral Oil
-	3	-	-	Naphtha
-	2	-	1	Naphtalene
-	1	-	1	Natural Gas
-	4	-	-	Neatsfoot Oil
-	1	2	1	Nitric Acid (Conc.)
-	1	2	1	Nitric Acid (Dilute)
-	1	3	2	Nitroethane
-	1	2	2	Nitrogen
4	4	3	4	N-Octane
1	1	2	4	Oleic Acid
-	4	-	-	Oleum Spirits
-	4	1	1	Olive Oil
-	3	3	1	Oxygen-Cold
-	4	-	-	Oxygen (200-400°F)
-	3	-	-	Paint Thnner, Duco
-	4	-	-	Perchloric Acid
-	3	-	4	Perchloroethylene
-	4	-	-	Petrolenm-Below 250°F
3	4	-	-	Petroleum-Above 250 F
-	4	-	-	Phenol
-	2	-	-	Phenyl Ethyl Ether
-	2	-	-	Phosphoric Acid-45%
-	3	-	-	Pickling Solution

N	PUR	PE	PVC	
3	2	-	4	Picric Acid
-	4	-	-	Patassium Acetate (aq)
-	1	1	1	Patassium Chloride (aq)
-	1	1	1	Patassium Cyanide (aq)
3	4	1	1	Patassium Hydroxide (aq)
-	1	1	1	Producer Gas
1	3	3	1	Propane
-	4	-	-	Propyl Alcohol
-	4	-	-	Propylene
-	4	-	-	Propylene Oxicde
-	4	-	-	Pydraul, 10E, 29 ELT
-	4	-	-	Pydraul 30E, 50E, 65E
-	4	-	-	Pydraul,115E
-	4	-	-	Pydraul 230E, 312C, 540C
-	2	-	-	Rapeseed Oil
-	1	-	-	Red Oil (MIL-H-5606)
-	1	-	-	RJ-1 (MIL-F-2338 B)
-	1	-	-	RP-1 (MIL-F-25576 C)
1	2	1	1	Salt Water
-	4	-	-	Sewage
-	1	-	-	Silicate Esters
-	1	1	1	Silicone Oils
-	1	2	1	Silver Nitrate
-	4	-	-	Skydrol 500
-	4	-	-	Skydrol 700
1	3	3	1	Soap Solutions
1	1	1	1	Sodium Chloride (aq)
2	4	2	1	Sodium Hydroxide (aq)
-	4	1	2	Sodium Peroxide (aq)
-	1	-	-	Sodium Phosphate (aq)
-	1	1	1	Sodium Sultate (aq)
-	2	1	1	Soy Bean Oil
4	4	-	-	Steam Under 300°F
4	4	-	-	Steam Over 300°F
-	1	3	3	Stoddard Solvent
-	3	-	4	Styrene
-	4	-	-	Sucrose Soluttion
-	3	1	1	Sulfuric Acid (Dilute)
-	4	3	4	Sulfuric Acid (Conc.)
-	4	-	-	Sulfuric Acid (20% Oleum)
-	3	2	1	Suifurous Acid
-	1	2	1	Tonnic Acid
-	4	2	4	Tetrochlorethlene
1	4	3	4	Toluene
-	1	-	-	Transformer Oil
-	1	-	-	Tronsmission Fluid Type A
3	4	-	3	Trichloroethane
3	4	3	4	Trichtoroethylene
-	1	3	-	Turbine Oil
1	4	3	2	Turpentine
-	3	3	4	Vamish
1	4	2	1	Vinegar
-	4	-	-	Vinyl Chloride
1	1	1	1	Water
1	2	3	1	Whiskey
-	1	-	-	White Oil
-	3	-	-	Wood Oil
2	4	3	4	Xylene
-	4	1	-	Zinc Acetate (aq)
1	1	-	1	Zinc Chloride (aq)

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.