

Reinforced PVC - Non-Phthalate Flexible Braided PVC Hose



Reinforced / Non Phthalate Flexible Braided PVC Hose

All our PVC is manufactured from non-phthalate material which is free from substances of Very High Concern as described under REACH regulation. The material complies with the migration requirements of 2002/72/EC & its amendments. Additives used are listed in EU regulation 2011/10/EC & in the FDA code of federal regulations chapter 21.

Applications

- Crop spraying
- Compressed air
- Materials handling
- Food handling & beverage lines
- Water & fluid handling
- Chemical transfer
- Instrumentation
- Coolant lines
- Pneumatics
- Hydraulics
- Factory air supply



Features & Benefits

- Cadmium free
- Silicone free
- Good UV resistance
- Wide range of operating temperatures
- Lightweight & flexible
- Smooth bore allowing excellent flow rate
- Clear RP allows full visibility of contents
- Self-extinguishing-does not support combustion

Chemical Resistance

PVC has excellent chemical resistance.

It is resistant to most:

- Oxidising agents
- Reducing agents
- Dilute acids
- Dilute alkalis

Conformance

- The raw materials used have regulatory approval for food contact applications
- Non-phthalate
- RoHS & WEEE
- BS EN-ISO5774:2016
- UL94-V2 & UL94-HB (@ 3mm thickness)
- BS EN_ISO1307:2006



Technical Data Sheet

Part	Size	Nominal ID	ID Tol's	OD Tol's	Burst Pressure	Bend Radius	Weight/30m
RP	3 x 8 mm	1/8"	-0.26/+0.25 mm	-0.20/+0.20mm	1087 PSI / 75 bar	11 mm	1.65 kgs
RP	5 x 10 mm	3/16"	-0.25/+0.26 mm	-0.25/+0.26mm	870 PSI / 60 bar	17 mm	2.22 kgs
RP	6.35 x 11.5 mm	1/4"	-0.25/+0.25 mm	-0.25/+0.26mm	797 PSI / 55 bar	22 mm	2.73 kgs
RP	8 x 13 mm	5/16"	-0.25/+0.25 mm	-0.25/+0.26mm	725 PSI / 50 bar	29 mm	3.09 kgs
RP	8 x 13.5 mm	5/16"	-0.25/+0.25 mm	-0.27/+0.24mm	725 PSI / 50 bar	29 mm	3.47 kgs
RP	10 x 16 mm	3/8"	-0.25/+0.26 mm	-0.23/+0.23mm	652 PSI / 45 bar	37 mm	4.57 kgs
RP	12.5 x 18.5 mm	1/2"	-0.26/+0.25 mm	-0.26/+0.25 mm	580 PSI / 40 bar	49 mm	5.44 kgs
RP	13 x 18 mm	1/2"	-0.25/+0.26 mm	-0.27/+0.24 mm	666 PSI / 45 bar	56 mm	4.56 kgs
RP	16 x 23 mm	5/8"	-0.25/+0.26 mm	-0.29/+0.32 mm	507 PSI / 35 bar	65 mm	7.98 kgs
RP	19 x 25 mm	3/4"	-0.25/+0.25 mm	-0.26/+0.25 mm	435 PSI / 30 bar	90 mm	7.73 kgs
RP	19 x 26 mm	3/4"	-0.25/+0.25 mm	-0.24/+0.26 mm	435 PSI / 30 bar	84 mm	9.20 kgs
RP	22 x 29 mm	7/8"	-0.26/+0.25 mm	-0.37/+0.39 mm	362 PSI / 25 bar	104 mm	10.42 kgs
RP	25 x 32 mm	1"	-0.64/+0.63 mm	-0.38/+0.38 mm	362 PSI / 25 bar	127 mm	11.63 kgs
RP	25 x 33 mm	1"	-0.64/+0.63 mm	-0.39/+0.38 mm	362 PSI / 25 bar	118 mm	13.51 kgs
RP	32 x 42 mm	1 1/4"	-0.66/+0.66mm	-0.51/+0.51 mm	362 PSI / 25 bar	153 mm	21.48 kgs
RP	38 X 48 mm	1 1/2"	-0.62/+0.65 mm	-0.51/+0.50 mm	290 PSI / 20 bar	200 mm	24.96 kgs
RP	50 x 62 mm	2"	-0.75/+0.83 mm	-0.51/+0.51 mm	217 PSI / 15 bar	277 mm	38.91 kgs

Flexible & Durable

Reinforced with polyester yarn. Manufactured top quality crystal clear P.V.C compounds, this product is extremely flexible and comes coupled with a glass finish internal bore allowing for excellent flow rates.

Chemical Resistant

Resistant to a wide range of chemicals, our reinforced and branded PVC hose is specifically designed to transport pressurised liquids, chemicals and gasses. This includes reducing agents, diluted acids and alkalis.

Food Safe

We manufacture with a minimum toxicity PVC to comply with the fda, making it ideal for food and drink products and also for catering use. This product is 'food and drink approved, with no unwanted odours or flavours.

reliable at high temperatures

our ply pvc constructed hose is specifically design to withstand high working pressures. to ensure consistent quality and high standars with all of our products. the working pressures are based on the short-term burst pressure at 20°C using a 4 to 1 safety factor. any increaes in temperature above 20 °C will affect the short-term burst pressure quoted.

Low Maintenance

The flexible nature of this product allows for an excellent flow rate, which reduces blockages and prevents sediment build up.

- Operating temperature: -20°C to +55°C. Occasional use up to +65°C - Cold bend temperature: -45°C.
- Lengths: Standard length 30m Coils. Some sizes also available in 50m & 100m coils or cut up length from stock.
- Colours: Standard colour clear, some sizes also available in Yellow, Green , Red, Blue & Black.
- Construction: Flexible non-Phtalate PVC, Reinforced with a 1000 denier polyester high tensy yarn.
Packing: Supplied coiled and tyre wrapped