

Universal hoses for fuels and oils



TECHNOBEL® PU

Highly flexible PVC hose with polyurethane (PU) inner layer resistant to fuels and oils

Inner layer: Transparent polyurethane (PU).

Interlayer: black PVC **Reinforcement:**

Polyester braid

Outer layer: black PVC

Operating temp: -15°C to +60°C (pressure temperature-dependent operation)

A lightweight, extremely flexible and supple, small bend radius PVC hose with an inner layer of polyurethane (PU, polyester-polyurethane). Thanks to the good chemical resistance of polyurethane, the hose can be used for petrol, unleaded petrol, oils, petroleum products and many solvents. It is suitable for compressed air, including oily air. Due to the good abrasion resistance of polyurethane, it can also be used to transfer moderately abrasive powders or granules. However, it is not recommended for acids, alkalis and aqueous solutions at temperatures above 40°C. It is not suitable for aromatic hydrocarbons (benzene, toluene, xylene, etc.).

Hose widely used in all areas of industry. Also used in agriculture for agricultural spraying (insecticides, pesticides, herbicides, etc.). Used for compressed air for pneumatic tools, spray guns, painting, sandblasting, etc. Outer layer resistant to hydrocarbons and spray mist solvents. Suitable for drum mounting.

Chemical resistance check: chemical resistance table: PU - inner layer, PVC - outer layer (pre-selection), respectively PU (column C) and PVC (column B) resistance table of the manufacturer (available from Tubes International, pre-selection), confirmation of resistance and conditions of use by Tubes International.

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	working pressure [bar]	Bursting pressure [bar]	bend radius [mm]	mass [kg/m]	Roll length [m]
TR-TECHNOBEL-PU-06	6	11	2,5	20	60	20	0,09	50
TR-TECHNOBEL-PU-08	8	14	3	20	60	27,5	0,13	25
TR-TECHNOBEL-PU-09	9	15	3	20	60	30	0,15	50
TR-TECHNOBEL-PU-10	10	16	3	20	60	32,5	0,16	25
TR-TECHNOBEL-PU-13	12,7	19	3,15	20	60	40	0,20	25
TR-TECHNOBEL-PU-16	16	23	3,5	20	60	55	0,28	25
TR-TECHNOBEL-PU-19	19	26	3,5	20	60	70	0,32	25
TR-TECHNOBEL-PU-25	25	33	4	15	60	90	0,49	25
TR-TECHNOBEL-PU-32	32	41	4,5	12	60	117,5	0,67	25

Note: Indexes highlighted in colour - most commonly used.

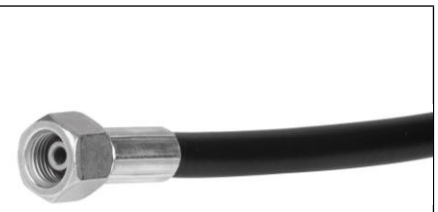
Temperature dependence of burst pressure and working pressure for typical PVC hoses	temperature	20°C	30°C	40°C	50°C	60°C	70°C
	pressure	100%	74%	55%	40%	30%	22%



TECHNOBEL PU hose DN6 with fitted stainless steel (AISI 316) end with BSPT 1/8" male thread (NM-VT123-02). Mounted with an AISI 304 stainless steel EAR CLIP (AB-23012028).



TECHNOBEL PU hose DN6 with fitted BANJO 8 mm ring end (EC-106008) in galvanised steel. Mounted with galvanised steel sleeve (EC-104062).



TECHNOBEL PU hose DN6 with mounted hydraulic fitting with 1/4" BSP female thread with O-ring (TI-ZBW120-04-04-CN), in zinc-plated steel. Mounted with galvanised steel sleeve (ZC-BP5-04).

When assembling the TECHNOBEL PU hose, care must be taken to ensure that the ends do not have excessively sharp or deep notches which could damage the inner polyurethane layer of the hose.