

Rubber chemical hoses (TPV) - for light and medium aggressive chemicals



PLUTONE PK

Lightweight and flexible hose for

chemicals Lining: TPV thermoplastic

rubber

Reinforcement: polyester braid, steel spiral

Outer layer: thermoplastic TPV rubber

Operating temp: -30°C to +80°C
(temperature-dependent operating pressure)

A very lightweight, flexible suction and delivery hose for the transfer of chemicals. Made of thermoplastic vulcanised TPV - a material combining the processing advantages of thermoplastic polymers (PP - polypropylene) with the properties of vulcanised rubber (EPDM). Good chemical resistance - similar to EPDM rubber allows its use with many substances, including acids (hydrochloric, sulphuric), bases, salts, alcohols, glycols and ketones, concentrated detergents. Not recommended for fuels, oils, aromatic solvents. Resistant to weathering, ageing and ozone. The low weight and small bending radius of the hose ensure ease of handling, which can be an advantage when handling from tanks and containers.

Note: All hose sizes have an indication of the approximate working pressure (WP 10 bar) on the branding.

Chemical **resistance check:** EPDM **chemical** resistance table (pre-selection), TPV resistance table (available from Tubes International, pre-selection), confirmation of resistance and application conditions by Tubes International.

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	working pressure [23°C] [bar]	Burst pressure [23°C] [bar]	vacuum [23°C] [bar]	bend radius [mm]	mass [kg/m]	Roll length [m]
IP-PLUTONE-PK-020	20	29	4,5	14	42	0,99	80	0,39	60
IP-PLUTONE-PK-025	25	35	5	13	39	0,99	100	0,54	60
IP-PLUTONE-PK-032	32	43	5,5	12	36	0,9	130	0,73	60
IP-PLUTONE-PK-038	38	49	5,5	12	36	0,9	150	0,85	30
IP-PLUTONE-PK-050	50	63	6,5	13	39	0,9	250	1,40	30

Note: Indexes highlighted in colour - most commonly used.

