Pneumatic Polyurethane Tubing (PPU)

Colex International PPU is manufactured from ester based polyurethane and is suitable for a wide range of applications including industrial robotics.

We can also offer a pneumatic polyurethane tube with a flame retardant cover, PPU in a range of imperial sizes and a variety of other made to order PPU products subject to MOQ.

Go to our Custom Manufacture page for more information and options.

Applications

- Industrial robotics
- Pneumatic control systems
- Pneumatic valves
- Fuel and lubrication lines
- Control instrumentation
- Pneumatic lines
- Chemical transfer
- Metering pumps
- Conveyance of gases, some liquids, dry powders & granules

Features & Benefits

- Choice of colours
- Lightweight
- Plasticiser free
- Easy to handle
- Flexible even at low temperatures
- Resistant to kinks and flattening
- Resistant to cuts and abrasions
- Operates with a wide range of the most popular push fit couplings

Chemical Resistance

- Pneumatic polyurethane tube is resistant to most:
- Fuels
- Oils
- Greases
- Solvents
- Chemicals
- Gases

Pressure Data | Quote Request | Custom Manufacture | Chemical Resistance | Contact Us | Made in the UK

Part	Size (mm)		OD Tol's (mm)	Burst Pressure		Bend Radius (mm)	Kgs/30m	Stock Colour	Stock Length
	OD	ID		PSI	bar				
PPU4/25	4	2.5	±0.10	725	50	13	0.28	Black, Blue, Green, Red, White, Yellow	30m
PPU5/3	5	3	±0.10	797	55	15	0.45	Black, Green, White	30m
PPU6/4	6	4	±0.13	580	40	22	0.56	Black, Blue, Red	30m
PPU8/55	8	5.5	±0.13	580	40	31	0.94	Black, Blue, Green, Red, White, Yellow	30m
PPU8/6	8	6	±0.13	435	30	38	0.78	Black, Blue, Red, White, Yellow	30m
PPU10/7	10	7	±0.13	507	35	40	1.42	Black, Blue, Green, White, Yellow	30m
PPU10/8	10	8	±0.13	290	20	60	1.00	Black, Blue, Green, Yellow	30m
PPU12/8	12	8	±0.15	580	40	43	2.22	Black, Blue, Green, Red, Yellow	30m

Further Details:	
Temperature range:	-50°C to +80°C, occasional use up to 100°C, brittle point –70°C
Construction:	Manufactured from ester based polyurethane
Packing:	Coiled and boxed
Printing:	Colex part number, size, works order number and a metre mark
Custom Manufacture:	We can also offer a pneumatic polyurethane tube with a flame retardant cover, PPU in a range of imperial sizes and a variety of other made to order PPU products. Alternative sizes, lengths & colours available subject to MOQ.
Note:	Ester based polyurethane is prone to hydrolysis and microbiological attack; therefore application and environment should be taken into account when recommending this tubing
NB:	Technical information for use as a guide only. All colours and lengths are subject to stock. or use as a guide only. Pressures: Values stated are based on the short term burst pressure at 20°C . Any increase in temperature above 20°C will result in a decline in burst pressures. Values stated are the pressure at which the tube shows signs of permanent distortion rather than bursting.