

Anti-Static PU Tubing



Static-Dissipative Polyurethane Tubing

Flexible PU tubing designed for pneumatic automation, robotics, motion control, and general industrial air systems where controlled static dissipation is required.

Provides excellent flexibility, kink resistance, and abrasion durability for dynamic applications. UV-stabilized virgin polyether PU construction offers high hydrolysis resistance and good resistance to oils, greases, and solvents.

Electrical resistance: 10^7 – $10^9 \Omega$

SPECIFICATIONS

Virgin Polyether PU Material with conductive additive

Electrical resistance: 10^7 – $10^9 \Omega$

Fluid Type: Compressed Air, Water

Hardness: 95A Shore

Operating Pressure: -14 to +116 PSI (-1 to 8 bar)

Operating Temperature: -20°C to +60°C

Peak Temperature: +70°C (short duration)

Bend Radius (Flow): 1" (26 mm)

Minimum Bend Radius: 0.6" (15 mm)

Abrasion Resistance: Excellent

Hydrolysis Resistance: High (Polyether)

Chemical Resistance: Good against oils, greases, and solvents

Electrical Resistance: 10^7 – $10^9 \Omega$

COMPLIANCE & OPTIONS

- RoHS Compliant
- REACH Compliant
- ISO 9001 Manufacturing
- CE
- FDA Food-Grade Option Available
- Laser marking for lot traceability
- Customization available

ORDER CODE

PUAS 8X5 100 BK

Polyurethane Tube	Tube Dia	LENGTH(m) 100m/ (Roll)	COLOR	CODE
			Transparent	TR
			Black	BK
			Blue	BU
			Orange	OR
			Transparent blue	TRBU
			Transparent green	TRGN
			Dark blue	DKBU
			Light blue	LTBU
			Yellow	YL
			Red	RD
			Green	GN
			Silver	SV

ESD APPLICATION NOTE

The 10^7 – $10^9 \Omega$ range is intended for static-dissipative applications. Actual ESD performance depends on construction, installation, grounding path, humidity, and the test method used. Confirm the required resistance standard and acceptance limits for the end application.

STANDARD SIZES

Item No.	Metric			Working Pressure	Disruptive Pressure	Bevelling Radius	Weight
	Outer O.D	Inner I.D	Length				
	mm	mm	M				
PU 4*2.5	4	2.5	200	8.00	24	10.00	2.30
PU 4*2	4	2	200	10.00	30	12.00	2.60
PU 6*4	6	4	200	8.00	24	15.00	4.31
PU 6*4	8	5	100	10.00	30	20.00	4.15
PU 8*5.5	8	5.5	100	8.00	24	22.00	3.65
PU 10*6.5	10	6.5	100	10.00	30	25.00	5.66
PU 12*8	12	6	100	10.00	30	35.00	8.25
PU 16*11	16	11	100	10.00	30	75.00	11.10
PU 16*12	16	12	100	8.00	24	75.00	11.10
PU 1/8	3.17	1.5	200	8.00	24	6.00	1.77
PU 5/32	7.94	2.5	200	8.00	24	22.00	2.50
PU 1/16	4.76	3	100	8.00	24	15.00	3.98
PU 1/4	4.16	4.3	100	8.00	24	13.00	4.60
PU 5/16	3.96	3.5	100	8.00	24	22.00	3.65
PU 5/8	6.35	6.35	100	8.00	24	25.00	5.50
PU 1/4	12.7	8.7	100	10.00	24	40.00	6.10
PU 5/8	15.87	12	100	8.00	24	75.00	11.10