

Features/Applications

PO is a semi-flexible, non-flame retardant, irradiated polyolefin heat shrink tubing with a smooth and shiny surface.

The tube is suitable for electrical, mechanical protection of wire terminations, bus bars, connectors, antennas, pipes and other components where zero halogen properties are required.

Various

Operating temperature: -55°C to 105°C

Minimum fully recovery temperature: 120°C

Standard colour: Black.

Special sizes and colours available on request.

Specifications

RoHS and REACH compliant.

Dimensions



Size (inch)	As supplied		After recovery (mm)		Standard Length (m/spool)
	Inside Diameter (D) Mini. (mm)	Inside Diameter (d) Maxi.	Wall Thickness (t) Mini.		
3/64	1,2	0,60	0,33	150	
1/16	1,6	0,80	0,36	250	
3/32	2,4	1,20	0,43	250	
1/8	3,2	1,60	0,43	150	
-	4,0	1,00	1,00	100 *	
3/16	4,8	2,40	0,43	100	
1/4	6,4	3,20	0,56	100	
-	8,0	2,00	1,00	100 *	
3/8	9,5	4,80	0,56	100 *	
1/2	12,7	6,40	0,56	100 *	
5/8	15,9	8,00	0,68	50 *	
3/4	19,1	9,50	0,69	50 *	
1	25,4	12,70	0,76	50 *	
1 1/4	31,8	15,9	1,02	25	
1 1/2	38,1	19,00	0,86	30 *	
2	50,8	25,40	0,97	30	
3	76,2	38,10	1,17	15	
4	101,6	50,80	1,17	15 *	

*Spools as standard, cut pieces available on request. * Also available in 1 m pieces as standard

Technical properties

		Values	Test methods	
Physical	Shrink temperature	120°C	-	
	Operating temperature	-55 to +105°C	-	
	Longitudinal change	Max10%	-	
	Tensile strength	15 MPa	-	
	Elongation	Unaged	≥350%	-
	Tensile strength	Aged(168h @ 136°C)	12 MPa	-
	Elongation		≥250%	-
	Heat shock (4h @ 175°C)		Pass	-
	Low temperature flexibility (4h @ -55°C)		No crack	-
	Electrical	Dielectric strength	Unaged	≥16kV/mm
Resistance			≥1x10 ¹⁶ Ωcm	
Chemical	Copper corrosion		No corrosion	
	Water absorption		0,1 %	