

Dual Wall Tubing (4X)

Flexible, Outer Layer Flame Retardant, Heat Shrink

pro-POWER



RoHS
Compliant

Description

This is made from flexible polyolefin and hot melt glue through high technology co-extrusion. The outer flexible polyolefin has low shrink temperature and the low shrink point glue so has the advantage for water proof and mechanical strain buffer performances. It is widely applied for automotive wiring harnesses water proof, gas leak and drain; Multi-strand and wire branch harness waterproof.

Specifications

Continuous Operating Temperature	: -45°C to +125°C
Full Recovery temperature	: 105°C
Minimum shrink temperature	: 60°C
Shrink Ratio	: 4:1
Colour	: Black
Resistant to UV	

Outer Layer - Technical Data

Property	Test Method	Typical Data
Tensile Strength	ASTM D 2671	≥10.4MPa
Elongation	ASTM D 2671	≥300%
Tensile Strength after aging	UL 224 158°C×168hrs	≥7.3MPa
Elongation After aging	UL 224 158°C×168hrs	≥100%
Longitudinal Change	ASTM D 2671	-8% to +8%
Flammability	SAE-AMS-DTL-23053/5	30s self-extinguish
Dielectric Strength	IEC 60243	≥15kV/mm
Volume Resistivity	IEC 60093	≥10 ¹⁴ Ω·cm

Adhesive - Technical Data

Property	Test Method	Typical Data
Water absorption ratio	ASTM-D570	≤0.2%
Softening point	ASTM-D E28	85°C
Peel Strength (PE)	ASTM-D1000	120N/25m
Peel Strength (AL)	ASTM-D1000	80N/25m

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Product Dimensions

Part Number	Size		As supplied	After recovery(mm)		
	Inch	mm	Internal Diameter(mm)	Internal Diameter	Total Wall Thickness	Adhesive thickness
PP001978	5/32	4	≥4	≤0.95	1.2 ±0.2	0.5 ±0.2
PP001980	5/16	8	≥8	≤1.65	1.65 ±0.2	0.76 ±0.2
PP001977	1/2	12	≥12	≤2.41	2 ±0.2	1.02 ±0.2

Part Number Table

Description	Part Number
Tubing, Heat Shrink, Dual Wall, Flexible, 12mm, Black, 1.22m	PP001977
Tubing, Heat Shrink, Dual Wall, Flexible, 4mm, Black, 1.22m	PP001978
Tubing, Heat Shrink, Dual Wall, Flexible, 8mm, Black, 1.22m	PP001980

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