

# Medium Wall Tubing

Adhesive-Lined, Flame-Retardant, Polyolefin, Heat Shrink

pro-POWER

RoHS  
Compliant



## Description

The series of medium wall general purpose tubing is specially designed for use in a broad range of low-voltage applications. Tough and flexible, the tubing is particularly suited for the insulation and protection of cable joints as well as for cable repair. Uncoated tubing provides insulation and strain relief. Adhesive lined tubing also provides an environmental seal.

## Specifications

Operating temperature	: -45°C to +125°C
Fully shrink temperature	: 125°C
Shrink Ratio	: 3:1
Colour	: Black
Resistant to UV	

## Technical Data

Property	Test Method	Typical Data
Tensile Strength	ASTM D2671	≥14MPa
Elongation	ASTM D2671	≥400%
Density	ASTM D792	1.2g/cm <sup>3</sup>
Longitudinal change	UL 224	≤ ±10%
Elongation after aging	UL224 158°C×168hrs	≥300%
Heat shock	UL224 225°C×4hrs	No cracking
Dielectric strength	IEC 243	≥20kV/mm
Volume resistivity	IEC 93	≥10 <sup>14</sup> Ω.Cm
Water absorption	ASTM-D570	≤0.15%
Flammability	VW-1	Self-extinguish in 30 seconds

## Hot Melting Adhesive Property

Property	Test Method	Typical Data
Water absorption	ASTM D570	≤ 0.2%
Softening point	ASTM E28	95°C
Peel strength(PE)	ASTM D1000	120N/25mm
Peel strength(AL)	ASTM D1000	80N/25mm

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## Product Dimensions

Part Number	Size	As Supplied	After Recovery			
	mm	Internal Diameter (mm)	Internal Diameter (mm)	Out layer Wall Thickness (mm)	Adhesive Layer Wall Thickness (mm)	Total Wall Thickness (mm)
PP001863	10.2/3	≥10.2	≤3	1.43 ±0.4	0.53 ±0.2	1.96 ±0.5
PP001864	19.1/5.6	≥19.1	≤5.6	1.83 ±0.4	0.63 ±0.2	2.66 ±0.5
PP001865	28/9	≥28	≤9	1.95 ±0.4	0.78 ±0.2	2.73 ±0.5
PP001866	38.1/12	≥38.1	≤12	2.05 ±0.4	0.78 ±0.2	3.13 ±0.5
PP001867	43.2/12.7	≥43.2	≤12.7	2.15 ±0.4	0.78 ±0.2	3.13 ±0.5
PP001868	63/19	≥63	≤19	2.35 ±0.5	0.88 ±0.3	3.53 ±0.6

## Part Number Table

Description	Part Number
Tubing, Heat Shrink, Medium Wall, W/Adhesive, 3:1, 9mm, Black, 1.22m	PP001863
Tubing, Heat Shrink, Medium Wall, W/Adhesive, 3:1, 19.1mm, Black, 1.22m	PP001864
Tubing, Heat Shrink, Medium Wall, W/Adhesive, 3:1, 28mm, Black, 1.22m	PP001865
Tubing, Heat Shrink, Medium Wall, W/Adhesive, 3:1, 38.1mm, Black, 1.22m	PP001866
Tubing, Heat Shrink, Medium Wall, W/Adhesive, 3:1, 43.2mm, Black, 1.22m	PP001867
Tubing, Heat Shrink, Medium Wall, W/Adhesive, 3:1, 63mm, Black, 1.22m	PP001868

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