

# Flexible, Flame Retardant General Purpose Polyolefin Heat Shrink Tubing

pro-POWER



RoHS  
Compliant

## Specifications:

Shrink Ratio	: 2:1
Operating Temperature	: -55°C to 135°C
Shrink Temperature	: 100°C
Standard Colour	: Black
Flammability Rating	: VW-1
Approval category	: UL224 (600V, 125°C)
Standard	: CSA, LR228795 (600V, 125°C)
Approval bodies	: UL

## Specification Values:

Property	Test Method	Values
Tensile Strength	ISO 37	10 MPa minimum
Ultimate Elongation	ISO 37	250% minimum
Specific Gravity	ISO 1183	1.35 maximum
Heat Shock	ASTM D2671 (4hrs at 250°C)	no dripping, cracking or flowing
Heat Ageing Ultimate Elongation	ISO 188 (168hrs at 175°C) ISO 37	150% minimum
Low Temperature Flexibility	ASTM D2671 (4hrs at -55°C)	no cracking
Flammability (except Clear)	ASTM D876	pass
Electric Strength	IEC 243	20kV/mm minimum
Corrosion (Copper Contact and Copper Mirror)	ASTM D2671	no corrosion
Water Absorption	ISO 62	0.5 % maximum
Fluid Resistance Gasoline Hydraulic Fluid Lubricating Oil Tensile Strength Ultimate Elongation	ISO 1817 ISO 37	7 MPa minimum 200% minimum
Fungus Resistance Tensile Strength Ultimate Elongation	ISO 846 ISO 37	10 MPa minimum 250% minimum

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## Specification Table:

Material	Colour	Dielectric Strength (kV/mm)	Unshrunk Diameter (Min. Expanded Diameter - mm)	Fully Shrunk Diameter (Max. Recovered Diameter - mm)	Nominal Recovered Wall (mm)	Length (m)	Part Number	
Polyolefin	Black	25	1.2	0.6	0.45	1.2	SPUL/1.2/1.2MMBLK	
Polyolefin			1.6	0.8			SPUL/1.2/1.6MMBLK	
Polyolefin			2.4	1.2			SPUL/1.2/2.4MMBLK	
Polyolefin			3.2	1.6	0.5		SPUL/1.2/3.2MMBLK	
Polyolefin			4.8	2.4			SPUL/1.2/4.8MMBLK	
Polyolefin			6.4	3.2	0.65		SPUL/1.2/6.4MMBLK	
Polyolefin			9.5	4.8			SPUL/1.2/9.5MMBLK	
Polyolefin			12.7	6.4			SPUL/1.2/12.7MMBLK	
Polyolefin			19	9.5	0.75		SPUL/1.2/19MMBLK	
Polyolefin			25.4	12.7	0.9		SPUL/1.2/25.4MMBLK	
Polyolefin			1.2	0.6	0.45	5	SPUL5M/1.2MMBLK	
Polyolefin			1.6	0.8			SPUL5M/1.6MMBLK	
Polyolefin			2.4	1.2			SPUL5M/2.4MMBLK	
Polyolefin			3.2	1.6	0.5		SPUL5M/3.2MMBLK	
Polyolefin			4.8	2.4			SPUL5M/4.8MMBLK	
Polyolefin			6.4	3.2	0.65		SPUL5M/6.4MMBLK	
Polyolefin			9.5	4.8			SPUL5M/9.5MMBLK	
Polyolefin			12.7	6.4			SPUL5M/12.7MMBLK	
Polyolefin			19	9.5	0.75		SPUL5M/19MMBLK	

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