

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
Material	: Polyolefin
Standard Colour	: Black
Dielectric Strength	: 25kV/mm
Type	: SPUL

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

Unshrunk Diameter (Min. Expanded Diameter)		Fully Shrunk Diameter (Max. Recovered Diameter)		Nominal Recovered Wall		Length (m)	Part Number
Inches	mm	Inches	mm	Inches	mm		
0.046	1.2	0.023	0.6	0.018	0.45	1.2	SPUL/1.2/1.2MMBLK
0.063	1.6	0.031	0.8				SPUL/1.2/1.6MMBLK
0.093	2.4	0.046	1.2	0.019	0.5		SPUL/1.2/2.4MMBLK
0.125	3.2	0.062	1.6				SPUL/1.2/3.2MMBLK
0.187	4.8	0.093	2.4				SPUL/1.2/4.8MMBLK
0.25	6.4	0.125	3.2	0.026	0.65		SPUL/1.2/6.4MMBLK
0.375	9.5	0.187	4.8				SPUL/1.2/9.5MMBLK
0.5	12.7	0.25	6.4				SPUL/1.2/12.7MMBLK
0.75	19	0.375	9.5	0.029	0.75		SPUL/1.2/19MMBLK
1	25.4	0.5	12.7	0.035	0.9		SPUL/1.2/25.4MMBLK
0.046	1.2	0.023	0.6	0.018	0.45	5	SPUL5M/1.2MMBLK
0.063	1.6	0.031	0.8				SPUL5M/1.6MMBLK
0.093	2.4	0.046	1.2	0.019	0.5		SPUL5M/2.4MMBLK
0.125	3.2	0.062	1.6				SPUL5M/3.2MMBLK
0.187	4.8	0.093	2.4				SPUL5M/4.8MMBLK
0.25	6.4	0.125	3.2	0.026	0.65		SPUL5M/6.4MMBLK
0.375	9.5	0.187	4.8				SPUL5M/9.5MMBLK
0.5	12.7	0.25	6.4				SPUL5M/12.7MMBLK
0.75	19	0.375	9.5	0.029	0.75		SPUL5M/19MMBLK

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