

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

Flexible, Flame Retardant

General Purpose Polyolefin Heat Shrink Tubing

pro-POWER

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	0.5		SPUL/1.2/2.4MMBLK
Polyolefin			3.2	1.6			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	0.5		SPUL5M/2.4MMBLK
Polyolefin			3.2	1.6			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

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. pro-POWER is the registered trademark of the Group. © Premier Farnell plc 2012.