

Heat Shrink Tubing

General Purpose Flexi Polyolefin

PRO-POWER
Quality Cables

2:1 Shrink Ratio



Features:

- Black marked polyolefin heat shrink tubing.
- Resistant to fuel, oils, hydraulic fluid.
- Flame retarded to VWI.

Specification - SPUL5M/1.2MM Series :

Property		Test Method	Values
Physical			
Tensile	N/mm ² maximum	ASTM D2671	10.4
Elongation	% minimum	ASTM D2671	200
Specific gravity	maximum	ASTM D792	1.35
Low temperature flex		MIL-1-203053 (-55°C)	No cracking
Heat resistance	% E	336hours +175°C	100
Heat shock		4hours +250°C	No cracking, flowing or dripping
Secant modulus	N/mm ² maximum	ASTM D2671	174
Longitudinal change	% maximum	ASTM D2671	5%
Colour stability		MIL-1-23053	Pass
Electrical			
Dielectric strength	volts/mm minimum	ASTM D876	25kV
Volume resistivity	ohm-cm minimum	ASTM D876	10 ¹⁴
Dielectric constant	maximum	ASTM D150	3.1
Chemical			
Water absorption	% maximum	ASTM D570-A	0.5
Corrosion (copper contact and copper mirror)		ASTM D2671	Non-corrosive
Flammability			Self-extinguishing
Fluid resistance			
Hydraulic oil JP4, lube oil		24hours +23°C	
NaCl and de-ice fluid			
Tensile	N/mm ² minimum		6.9
Fungus resistance		ASTM G21	Not-nutrient
Storage life		MIL-1-23053	indefinite
Shrink temperature			100°C
Operating temperature	°C		-55°C to +135

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Specification - SPUL/1.2 Series

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 (4hours at 250°C)	No dripping, cracking or flowing
Heat ageing Ultimate elongation	ISO 188 (168hours at 175°C) ISO 37	150% minimum
Low temperature flexibility	ASTM D2671 (4hours 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	ISO 846	
Tensile strength Ultimate elongation	ISO 37	10 Mpa minimum 250% minimum
Shrink temperature		100°C.
Dielectric strength		25kv/mm minimum.
Operating temperature		-55°C to +135°C

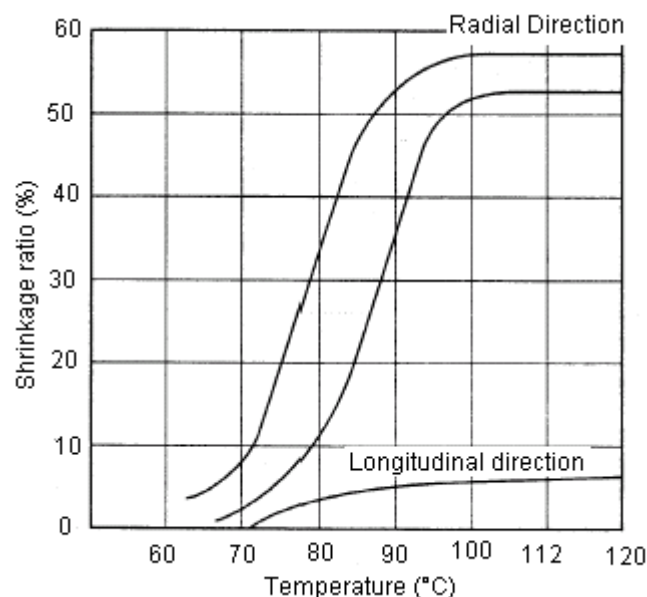
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Shrinkage Ratio and Temperature - SPUL5M/1.2MM Series



Specification Table

Colour	Diameter		Nominal Wall Thickness	Length (m)	Part Number
	Nominal	Shrunk			
Black	1.2	0.6	0.45	1.2	SPUL/1.2/1.2MMBLK
	1.6	0.8			SPUL/1.2/1.6MMBLK
	2.4	1.2	0.50		SPUL/1.2/2.4MMBLK
	3.2	1.6			SPUL/1.2/3.2MMBLK
	4.8	2.4			SPUL/1.2/4.8MMBLK
	6.4	3.2	0.65		SPUL/1.2/6.4MMBLK
	9.5	4.8			SPUL/1.2/9.5MMBLK
	12.7	6.4			SPUL/1.2/12.7MMBLK
	19.0	9.5	0.75		SPUL/1.2/19MMBLK
	25.4	12.7	0.90		SPUL/1.2/25.4MMBLK
	1.2	0.6	0.40	5	SPUL5M/1.2MMBLK
	1.6	0.8	0.43		SPUL5m/1.6mmBLK
	2.4	1.2	0.51		SPUL5m/2.4mmBLK
	3.2	1.6			SPUL5m/3.2mmBLK
	4.8	2.4			SPUL5m/4.8mmBLK
	6.4	3.2	0.64		SPUL5m/6.4mmBLK
	9.5	4.8			SPUL5m/9.5mmBLK
	12.7	6.4			SPUL5m/12.7mmBLK
	19.0	9.5	0.76		SPUL5m/19mmBLK
	25.4	12.7	0.89		SPUL5M/25.4MMBLK

Dimensions : Millimetres (Unless Specified)

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Notes:

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