

Thermal Memory Ltd

6 Dodd Croft
Rochdale OL16 4QX
Lancashire
Great Britain

Website : www.shrinkfit.co.uk

E-mail : shrinkfit@gmail.com

EMS5B is an highly flexible, flame retardant, elastomer heat-shrink tubing. It has excellent resistance to aviation, oil & diesel fuels, hydraulic & lubricating fluids.

Areas which require excellent long term heat, abrasion and chemical resistance. Both are for jacketing for cables & wiring harnesses associated in typical ground support & military vehicles.

EMS5 is discontinued.

Main features

Standard shrink ratio 2:1
Highly flame retarded
Resistant to Oil, Diesel fuels
Abrasion & Chemical resistant

Operating Temperatures

-75°C to +150°C
Minimum shrink temp +175°C



Code Type	MIL Spec	VG	Defence Std	RoHS
EMS5B	MIL-DTL-23053/16	95343 Part 5	59-97 Type 6B	Yes

Supplied expanded Sizes	Inside diameter Fully recovered		# Wall thickness Fully recovered
	D(min) (inches) mm	d(max) (inches) mm	
3.2/1.6	3.2 (0.125)	1.6 (0.063)	0.76 (0.0299)
4.8/2.4	4.8 (0.187)	2.4 (0.094)	0.84 (0.0331)
6.4/3.2	6.4 (0.250)	3.2 (0.125)	0.90 (0.0355)
9.5/4.8	9.5 (0.375)	4.8 (0.187)	1.00 (0.0394)
12.7/6.4	12.7 (0.500)	6.4 (0.250)	1.20 (0.0473)
19.0/9.5	19.0 (0.750)	9.5 (0.375)	1.45 (0.0571)
25.4/12.7	25.4 (1.000)	12.7 (0.500)	1.80 (0.0709)
38.0/19.0	38.0 (1.500)	19.0 (0.750)	2.40 (0.0945)

If the tubing/sleevings is restricted in any way, this will cause the wall thickness to differ from the actual nominal dimensions stated above.

Ordering Information Colour 0, Black. Looking for Clarity Clear, but with smaller wall thicknesses, contact us.

Sizes required Refer to dimensions table above and select the right size required to fit snugly over the area of the substrate/component (preferably +20%)

For ordering Specify the code type, colour, size and your quantities (Example EMS5B 25.4-0)

Properties	Test Method	Typical Values
Tensile strength	ISO 37	14 MPa
Ultimate elongation	ISO 37	350%
Longitudinal shrinkage	ASTM D2671	± 10%
Heat Shock 4hrs @ +215°C	ASTM D2671	No dripping, flowing or cracking.
Flammability	ASTM D876	Passes
Dielectric strength	IEC 243-1	8kV/mm
Low temperature flexibility 4hrs @ -75°C	ASTM D2671	No cracking
Fungus Resistance	BS 2011 Pt2, 1J	2