

Thermal Memory Ltd

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Operating Temperature

-55°C to +175°C

Shrink Temperature +175°C

Main Feature

Standard shrink ratio 2:1
Diameter range 1.2 to 50.8mm
Good cut-through resistance.
Resistance to abrasion & chemicals.

EUL3 A semi-rigid highly flame retardant PVdF Kynar heat-shrink tubing, transparent in colour, extremely tough & has excellent electrical properties supported with good resistance to chemicals and solvents, with a low friction on surface

Applications:

Good cut-through resistance with mechanical strength and resistance to chemicals



Formerly known as mil-i-23053, m23053, ms23053, [sae] ams-dtl-23053

TYPE	DEF-STD	MIL SPEC	UL224 VW-1	VG 95343	CSA OFT
EUL3	59-97	MIL-DTL-23053/8	Passes	Passes	Passes

Size	Inside Diameter		# Wall thickness	
	Supplied expanded D (min) mm	Fully recovered d (max) mm	Fully recovered w (nom) mm	Fully recovered w (nom) mm

1.2	1.2 (0.046)	0.6 (0.023)	0.25 (0.010)	0.25 (0.010)
1.6	1.6 (0.063)	0.8 (0.031)	0.25 (0.010)	0.25 (0.010)
2.4	2.4 (0.093)	1.2 (0.046)	0.25 (0.010)	0.25 (0.010)
3.2	3.2 (0.125)	1.6 (0.063)	0.25 (0.010)	0.25 (0.010)
4.8	4.8 (0.187)	2.4 (0.093)	0.25 (0.010)	0.25 (0.010)
6.4	6.4 (0.250)	3.2 (0.125)	0.30 (0.012)	0.30 (0.012)
9.5	9.5 (0.375)	4.8 (0.187)	0.30 (0.012)	0.30 (0.012)
12.7	12.7 (0.500)	6.4 (0.250)	0.30 (0.012)	0.30 (0.012)
19.1	19.1 (0.750)	9.5 (0.375)	0.43 (0.017)	0.43 (0.017)
25.4	25.4 (1.000)	12.7 (0.500)	0.48 (0.019)	0.48 (0.019)
38.1	38.1 (1.500)	19.1 (0.752)	0.51 (0.020)	0.51 (0.020)
50.8	50.8 (2.000)	25.4 (1.000)	0.51 (0.020)	0.51 (0.020)

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

Ordering Information

Colours X (Translucent). Other colours to order.

Sizes required

Refer to dimensions data above and select the size needed to fit snugly over all the area of the substrate-component (preferably +20 to 30%)

For ordering

Specify the product name, size, colour & quantities (Example EUL3 - 25.4-X-100L)

DATA SPECIFICATION

Properties	Test Methods	Typical values
Tensile Strength	IEC 60684-2	35 MPa
Ultimate Elongation	IEC 60684-2, Clause 19.1 & 19.2	150%
Heat Shock 4 hrs at +300°C	IEC 60684-2 Class 6	No dripping, flowing or cracking
Longitudinal Change	IEC 60684-2 Clause 9	± 10%
Low Temperature Shock 4 hrs at -55°C	IEC 60684-2 Class 4	No cracking
Dielectric Strength	IEC 60684-2 Class 21	30kV/mm
Corrosion (Copper Mirror)	IEC 60684-2	No corrosion
Water Absorption	IEC 60684-2	0.5%