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A highly flexible general purpose flame retarded thin wall polyolefin heatshrink tubing.

EMS3 Flexible, cross-linked polyolefin, flame retarded tubing with a high expansion ratio. It has good resistance to common fluids & solvents, enabling the tubing to be used in numerous industries for covering cable substrates with irregular shapes & sizes.

Applications: cable bundling, irregular shapes and sizes, identification of cables and wires on military harness environments.

Main features

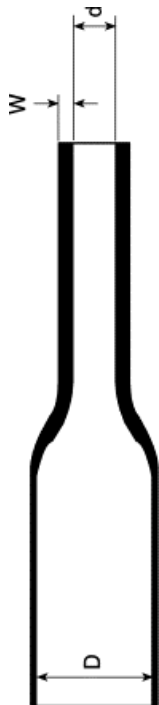
Standard shrink ratio 3:1
Ideal for irregular shapes
Flame retarded colours (Not Clear)
Lower inventory sizes needed due to higher shrink ratio.
Horizontal shrinkage: $\pm 5\%$

Operating Temperature

-55 to 135°C

Shrink temperature 100°C

MIL-DTL-23053 formerly known as MIL-I-23053 - M23053.



CODE TYPE	UL224 VW-1	CSA OFT	MIL SPEC	DEF-STAN
EMS 3	Passes	Passes	MIL-DTL-23053/5, VG95343 Pt 5	59-97

Sizes	Supplied I.D. mm	Recovered I.D. mm	Wall Thickness mm	Min 1 Box Mtr / Feet
1.5/0.5	1.5	0.5	0.45	915/3,002
3/1	3.0	1.0	0.55	915/3,002
4.5/1.5	4.5	1.5	0.60	915/3,002
6/2	6.0	2.0	0.65	610/2,001
9/3	9.0	3.0	0.75	610/2,001
12/4	12.0	4.0	0.75	305/1,001
18/6	18.0	6.0	0.85	305/1,001
24/8	24.0	8.0	1.00	150/492
40/13	40.0	13.0	1.15	120/394

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

Properties	Test Method	Typical Values
Tensile strength	ISO 37	10 MPa
Ultimate elongation	ISO 37	250 %
Longitudinal change	ASTM D 2671	± 5 %
Heat shock 4hrs @ 250°C	ASTM D 2671	No dripping, cracking or flowing
Flammability	ASTM D 876	pass
Low temperature flexibility 4hrs @ -55°C	ASTM D 2671	No cracking
Dielectric strength	IEC 243	20 kV/mm Min.
Water Absorption	ISO 62	0.5 %

Colours : Black, (Clear - Halogen free), other colours to minimum order quantities.