



ML2-HST Thin Wall Adhesive Lined Cross-linked Polyolefin

Description

Adhesive lined heat shrink tubing with environmental sealing capability ideal for a variety of applications including insulation and strain relief of electrical connections and terminations, light-duty harnessing, jacketing and bundling. The adhesive lining forms an environmental seal that helps protect against moisture.

Features and Benefits

- 2:1 shrink ratio
- Flame retardant
- Flammability: UL VW-1 (Jacket only except clear)
- Inner adhesive bonds to plastics, rubber, neoprene, steel and polyethylene
- Continuous operating temperature: -55°C to 110°C
- Shrink temperature: 120°C

Standards

- UL 224
- Meets: AMS-DTL-23053/4, Class 2 (Formerly MIL-DTL-23053/4, Class 2)

Typical Applications

- Environmental sealing and strain relief of connectors and terminals
- Moisture sealing and electrical insulation of simple in-line splices
- Quickly and easily protects from harsh environments

Specification Values

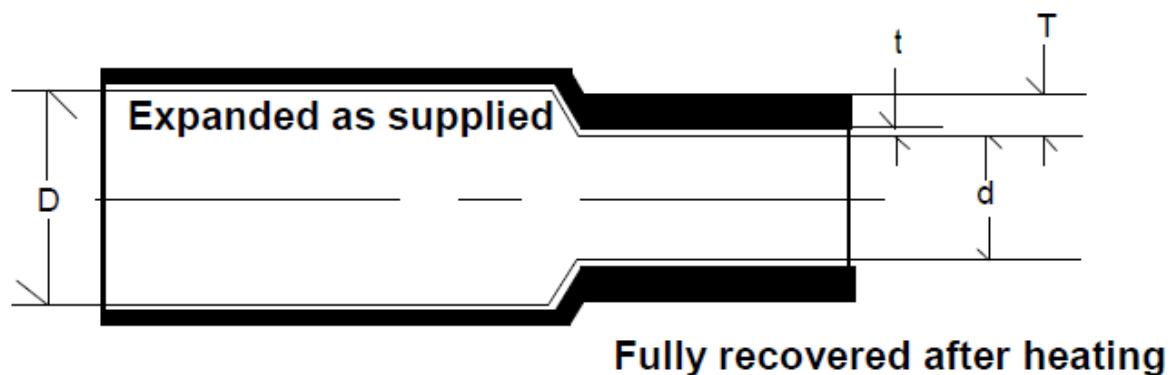
Property			Test Method	Typical Performance
Physical	Unaged	Tensile strength	ASTM D638	Min. 1500 psi
		Elongation		Min. 200%
	Flammability		ASTM D2671	Pass
	Heat Resistant		ASTM D2671	No cracks
	Heat shock		250°C/4hrs	No cracks, flowing, or dripping
	Low Temperature Flex		ASTM D746	No cracks @ -55°C
	Secant Modulus		ASTM D882	Max. 25,000 psi
Electrical	Dielectric strength		ASTM D2671	Min. 500 V/mil
	Volume resistivity		ASTM D876	Min. $1 \times 10^{12} \Omega - \text{cm}$
Chemical	Copper corrosion		121°C/16hrs	No Corrosion
	Fungus resistance		ASTM G21	No Growth
	Water Absorption		ASTM D570	Max. 0.5%
	Fluid Resistance		ASTM D638 & D2671	Excellent



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Dimensions:

Part Number	Expanded		Recovered					
	Internal Diameter (Min.) D		Internal Diameter (Max.) d		Total Wall Thickness (Nom.) T		Adhesive Wall Thickness (Nom.) t	
	mm	in	mm	in	mm	in	mm	in
ML2-HST-18	3.2	1/8	1.57	0.062	0.43	0.017	0.2	0.008
ML2-HST-316	4.7	3/16	2.36	0.093	0.43	0.017	0.2	0.008
ML2-HST-14	6.4	1/4	3.18	0.125	0.56	0.022	0.2	0.008
ML2-HST-38	9.5	3/8	4.75	0.187	0.56	0.022	0.3	0.012
ML2-HST-12	12.7	1/2	6.35	0.250	0.56	0.022	0.3	0.012
ML2-HST-34	19.1	3/4	9.53	0.375	0.69	0.027	0.3	0.012
ML2-HST-1	25.4	1	12.7	0.500	0.76	0.030	0.3	0.012
ML2-HST-112	38.1	1½	19.1	0.750	0.86	0.034	0.3	0.012



Standard Color: Black

Other colors available by request

Standard Length is 4 ft. sticks