



DUNBAR-FFF™-T3

3:1 SHRINK RATIO, IDENTIFICATION SLEEVE, LADDER FORMAT

Applications

DUNBAR-FFF™-T3 is a flexible, flame retardant, heat shrinkable polyolefin identification sleeve. It is designed for a wide range of applications, typically printed for wire identification. FFF™-T3 meets the performance requirements of AS23053/5 class 1.



Features

- ★ Shrink ratio: 67% or more in the radial direction, 5% or less in the axial direction
- ★ 2:1 Shrink ratio available also – P/N (FFF™-T2)
- ★ Solid & Perforated In stock for immediate shipments (Yellow and White)
- ★ Continuous operating temperature: -55 °C (-67 °F) to +135 °C (+275 °F)
- ★ Printable – Thermal Transfer or Hot Stamp
- ★ Flammability: UL VW-1, CSA OFT
- ★ High resistance to abrasion, chemicals, and oils

Standards

- ★ AS23053/5 Class 1 (Formerly AMS-DTL-23053/5 Class 1)
- ★ Declared Dimension Life (DDL) - 10 years
- ★ UL 224: VW-1, 600 V, 125 °C (File Number: E319303)
- ★ RoHS & REACH Compliant

Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile Strength	ASTM D638	Min. 1,500 psi
		Elongation		Min. 200%
	Aged	Elongation	ASTM D638	Min. 100%
	Fluid Resist.	Tensile Strength	24 °C/24 hrs	Min. 1,000 psi
		Dielectric Strength	6 Fluids	Min. 400 Volts/mil
	Concentricity		ASTM D2671	Min. 70%
	Heat Shock		250 °C/4 hrs	No cracks, flowing, or dripping
	Low Temperature Flexibility		-55 °C/4 hrs	No cracking
Secant Modulus		ASTM D882	Max. 25,000 psi	
Specific Gravity		ASTM D792	Max. 1.35 (Max. 1.00 Clear)	
Electrical	Dielectric Strength		ASTM D2671	Min. 500 Volts/mil
	Volume Resistivity		ASTM D876	Min. 10 ¹⁴ Ω · cm
Chemical	Copper Corrosion		175 °C/16 hrs	No corrosion
	Fungus Resistance		ASTM G21	No growth
	Water Absorption		ASTM D570	Max. 0.5%
	Flammability		ASTM D2671	Pass

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Dunbar Products, LLC
Tubing and Identification Products

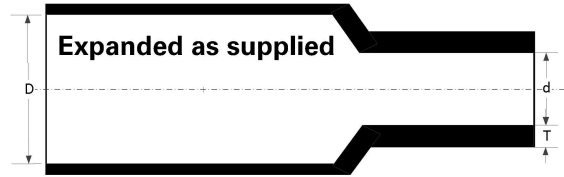
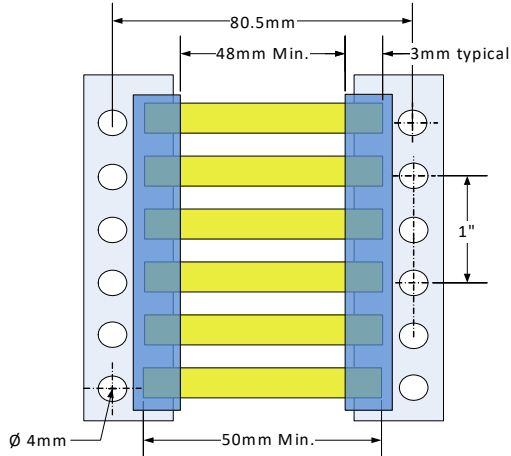


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Fully recovered after heating

Product Dimensions

Minimum Shrink Temperature: 90 °C

Size	Expanded		Recovered				Standard Spool Quantity
	Internal Diameter (Minimum) (D)		Internal Diameter (Maximum) (d)		Wall Thickness (Minimum) (T)		
	in	mm	in	mm	in	mm	pcs.
1/16"	0.063	1.6	0.021	0.5	0.018	0.46	250 or 2500
3/32"	0.093	2.4	0.031	0.8	0.020	0.51	250 or 2500
1/8"	0.125	3.2	0.042	1.1	0.022	0.55	250 or 2000
3/16"	0.187	4.7	0.062	1.6	0.024	0.61	250 or 2000
1/4"	0.250	6.4	0.083	2.1	0.025	0.65	250 or 1500
3/8"	0.375	9.5	0.125	3.2	0.028	0.71	250 or 1000
1/2"	0.500	12.7	0.166	4.2	0.029	0.73	250 or 500
3/4"	0.750	19.1	0.250	6.4	0.030	0.77	250 or 500
1"	1.00	25.4	0.333	8.5	0.031	0.79	250 or 500
1-1/2"	1.5	38.1	0.500	12.7	0.032	0.82	250
2"	2.0	50.8	0.667	16.9	0.032	0.82	250
3"	3.0	76.2	1.000	25.4	0.033	0.83	250

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Ordering Information:

Example: DUNBAR-FFF-T3-1/4-YELLOW-S1-250-G

"S1" denotes 1 serration in the middle of the marker.

"G" denotes economical "Green" packaging. Lower acquisition cost and lower disposal cost.



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