



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

Rev. April 2024



Dunbar Products, LLC
Tubing and Identification Products

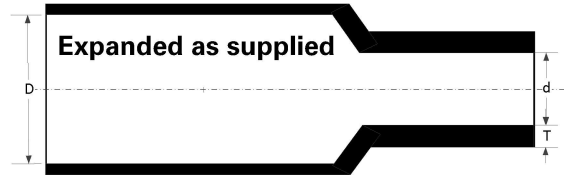
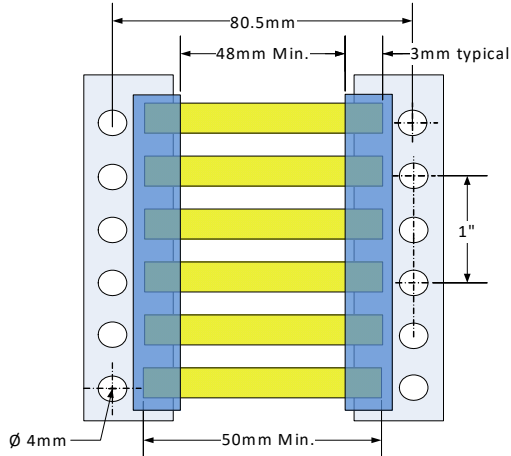


1302 Champion Circle, Carrollton, TX 75006
Tel: (469) 568-0800
Fax: (469) 568-0808



DUNBAR-FFF™-T3

3:1 SHRINK RATIO, IDENTIFICATION SLEEVE, LADDER FORMAT



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

Rev. April 2024

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.



Dunbar Products, LLC
Tubing and Identification Products



1302 Champion Circle, Carrollton, TX 75006
Tel: (469) 568-0800
Fax: (469) 568-0808