



DUNBAR-DRET

2:1 SHRINK RATIO, DIESEL-RESISTANT, FLEXIBLE, HEAT SHRINKABLE ELASTOMERIC POLYOLEFIN TUBING

Applications

DUNBAR-DRET is flexible elastomer polyolefin tubing, resistant to aviation and diesel fuels, hydraulic fluids, and lubrication oils. It reliably protects wires, solder joints, terminals, connections and components from most industrial fuels, abrasion and mechanical damage.

Features

- ★ Shrink ratio: 50% or more in the radial direction, 10% or less in the axial direction
- ★ In stock for immediate shipments
- ★ Continuous operating temperature: - 75 °C (-103 °F) to 120 °C (248 °F)
- ★ Flammability: ASTM D2671 Procedure B
- ★ High resistance to aviation fuels, diesel fuels and oils
- ★ Heavy wall, flexible tubing

Standard

- ★ AMS-DTL-23053/16 (Formerly MIL-DTL-23053/16)
- ★ RoHS Compliant

Specification Values

Properties		Test Methods	Values	
Physical	Unaged	Tensile strength	Min. 1700 psi	
		Elongation	Min. 250%	
		Tensile strength @100% Elongation	Max. 1500 psi	
	Aged	Tensile strength	ASTM D412	Min. 1500 psi
		Elongation		Min. 200%
	Fluid Resist.	Tensile strength	24 °C/24 hrs 6 Fluids	Min. 1500 psi
		Elongation		Min. 200%
		Dielectric strength		Min. 200V/mil
	Low temperature flex		-65°Cx4hrs	No cracks
	Heat shock		200°Cx4hrs	No cracks, flowing, or dripping
Specific gravity		ASTM D792	Max. 1.5	
Electrical	Dielectric strength	ASTM D2671	Min. 300V / mil	
	Volume resistivity	ASTM D876	Min. 1x10 ⁹ Ω - cm	
Chemical	Copper corrosion	275°C/16hrs	No corrosion	
	Fungus resistance	ASTM G21	Rating less than 1	
	Water Absorption	ASTM D570	Max. 2.0	
	Flammability	ASTM D2671	Pass	

Rev. Febr 2015



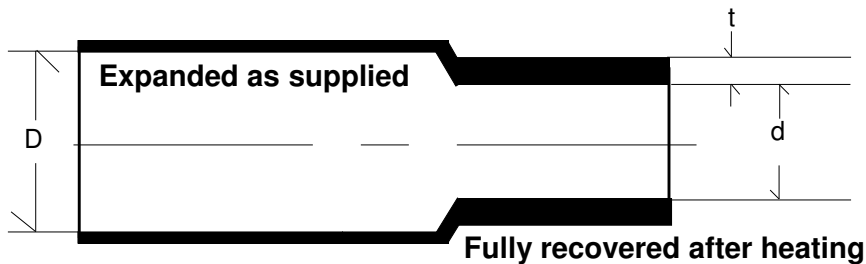
Dunbar Products, LLC
Tubing and Identification Products

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Product Dimensions

Minimum Shrink Temperature: 135 °C

Size	Expanded		Recovered				Standard Spool Length
	Internal Diameter (Minimum) (D)		Internal Diameter (Maximum) (d)		Minimum Wall Thickness (t)		
Inch Size	In.	mm	In.	mm	In.	mm	Ft.
1/8"	0.125	3.2	0.062	1.6	0.030	0.76	500
3/16"	0.188	4.8	0.093	2.4	0.033	0.84	250
1/4"	0.250	6.4	0.125	3.2	0.035	0.89	250
3/8"	0.375	9.6	0.187	4.8	0.040	1.02	100
1/2"	0.500	12.8	0.250	6.4	0.048	1.22	100
3/4"	0.750	19.3	0.375	9.5	0.057	1.45	100
1"	1.000	25.4	0.500	12.7	0.070	1.78	100
1-1/4"	1.250	31.8	0.712	18.1	0.086	2.20	100
1-1/2"	1.500	38.1	0.858	21.8	0.094	2.41	100

Standard Color: Black

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