



DUNBAR-DC-221

2:1 SHRINK RATIO, FLEXIBLE, FLAME RETARDANT POLYOLEFIN TUBING


Applications

DUNBAR-DC-221 is a flexible, flame retardant, heat shrinkable polyolefin tube. It is designed for a wide range of applications including insulation for electric & electronic devices, wire strain relief, and protective covering for parts such as resistors and capacitors.

Features

- ★ Shrink ratio: 50% or more in the radial direction, 5% or less in the axial direction
- ★ In stock for immediate shipments
- ★ Continuous operating temperature: -55 °C to +125 °C (-67 °F to +257 °F)
- ★ Flammability: UL VW-1, CSA OFT (except clear)
- ★ High resistance to abrasion, chemicals, and oils

Standard

- ★ Declared Dimension Life (DDL) - 10 years
- ★  UL 224, VW-1 (except clear), 600 V, 125 °C (File Number: E319303)
- ★ RoHS & REACH Compliant

Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile Strength	Min. 1,500 psi	
		Elongation	Min. 200%	
	Aged	Elongation	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. Aug 2025



Dunbar Products, LLC
Tubing and Identification Products

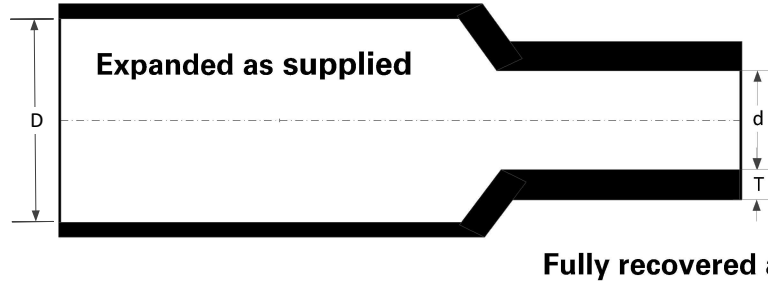


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Product Dimensions

Minimum Shrink Temperature: 90 °C

Size	Expanded		Recovered				Standard Spool Length
	Internal Diameter (Minimum) (D)		Internal Diameter (Maximum) (d)		Wall Thickness (Minimum) (T)		
	in	mm	in	mm	in	mm	
3/64"	0.046	1.2	0.023	0.6	0.013	0.330	100 or 500
1/16"	0.063	1.6	0.031	0.8	0.014	0.356	100 or 500
3/32"	0.093	2.4	0.046	1.2	0.017	0.432	100 or 500
1/8"	0.125	3.2	0.062	1.6	0.017	0.432	100 or 500
3/16"	0.187	4.7	0.093	2.4	0.017	0.432	100 or 250
1/4"	0.250	6.4	0.125	3.2	0.022	0.559	100 or 250
5/16"	0.312	7.9	0.157	4.0	0.022	0.559	100 or 250
3/8"	0.375	9.5	0.187	4.7	0.022	0.559	100 or 200
1/2"	0.500	12.7	0.250	6.4	0.022	0.559	100 or 200
5/8"	0.625	15.8	0.312	8.0	0.027	0.686	100 or 200
3/4"	0.750	19.1	0.375	9.5	0.027	0.686	100
1"	1.00	25.4	0.500	12.7	0.030	0.762	100
1-1/4"	1.25	31.7	0.630	16.0	0.034	0.864	100
1-1/2"	1.5	38.1	0.750	19.1	0.034	0.864	100
2"	2.0	50.8	1.0	25.4	0.038	0.965	100
3"	3.0	76.2	1.5	38.1	0.042	1.07	100
4"	4.0	102	2.0	50.8	0.046	1.17	100
5"	5.0	127	2.5	63.5	0.046	1.17	100
6"	5.90	150	3.000	76.2	0.054	1.36	100
7"	7.00	178	3.583	91.0	0.054	1.36	100
8"	7.87	200	4.000	102	0.054	1.36	100
9"	9.00	229	4.567	116	0.054	1.36	100
10"	9.84	250	5.000	127	0.054	1.36	100

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