



## #SM284 – High Temperature Fully Flame Retardant 4:1 Polyolefin Heat Shrinkable Tubing

4:1 Shrink Ratio  
Semi-Rigid  
Dual-Wall  
Polyolefin Tubing  
Extended Temperature Range

### Applications

Daburn SM284 is a fully flame retardant, semi-rigid, high shrink ratio, adhesive lined heat shrinkable polyolefin tubing. Both jacket and adhesive lining (which flows when heated) are flame retardant. It is designed for insulation and encapsulation of wire splicing and used to seal and protect a wide variety of electrical applications, including wire splices, breakouts, and connectors-to-cable transitions.

### Features

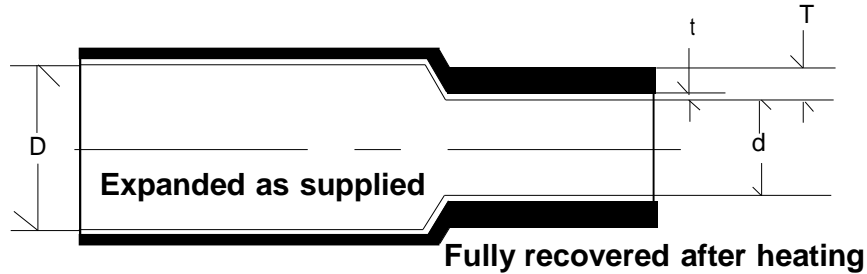
- Shrink ratio: 75% or more in the radial direction, 10% or less in the axial direction
- Continuous operating temperature: - 55°C (-67°F) to 150°C (302°F)
- Fully Flame-Retardant including Jacket and Adhesive
- Excellent electrical properties
- High resistance to abrasion, chemicals, and oils
- To UL 224 Standard
- RoHS Compliant

### Specification/Test Values

Property		Test Method	Value	
Physical	Unaged	Tensile strength	Min. 2,000 psi	
		Elongation	Min. 200%	
	Aged	Tensile strength	Min. 1,400 psi	
		Elongation	Min. 100%	
	Specific Gravity		ASTM D792	Max. 1.33
	Concentricity		ASTM D2671	Min. 6 %
	Heat shock		250°C /4 hrs.	No cracks, flowing or dripping
	Cold bend		ASTM D746	No cracking
Secant Modulus		ASTM D882	Max. 25,000 psi	
Electrical	Dielectric strength		ASTM D2671	Min. 500 Volts/Mil.
	Volume resistivity		ASTM D876	Min. $1 \times 10^{14} \Omega$ - cm
Chemical	Copper corrosion		150°C/16 hrs.	No corrosion
	Fungus resistance		ASTM G21	No growth
	Flammability		ASTM D2671	Pass – Jacket & Adhesive



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**Product Dimensions**

**Minimum Shrink Temperature: 130°C**

Daburn Item Number	Size	Printed	Expanded		Recovered					
			Internal Diameter (min.) (D)		Internal Diameter (max.) (d)		Total Wall Thickness (Nominal) (T)		Wall Thickness Adhesive Wall (Nominal) (t)	
			In.	mm	In.	mm	In.	mm	In.	mm
<b>SM284-15/64</b>	6 mm (No. 0)	FDW-0	0.236	6.3	0.050	1.27	0.047	1.20	0.022	0.56
<b>SM284-5/16</b>	8 mm (No. 1)	FDW-1	0.315	8.2	0.065	1.65	0.060	1.52	0.030	0.76
<b>SM284-7/16</b>	11 mm (No. 2)	FDW-2	0.433	11.3	0.090	2.29	0.075	1.91	0.040	1.02
<b>SM284-1/2</b>	13 mm (No. 3)	FDW-3	0.511	12.1	0.100	2.54	0.085	2.15	0.043	1.10
<b>SM284-11/16</b>	18 mm (No. 4)	FDW-4	0.708	18.1	0.175	4.45	0.095	2.41	0.054	1.30

**Standard Color: Black.** Call for other colors.  
**Sizes 15/64 & 5/16 sold on spools.**  
**Sizes 7/16, 1/2, 11/16 sold in 4 foot lengths.**