



## #SM321 – 3:1 Adhesive-Lined Polyolefin Heat Shrink Tubing

**3:1 Shrink Ratio**  
**Semi-Rigid Heavy Wall**  
**Dual-Wall Adhesive-Lined**  
**Flame Retardant Polyolefin Tubing**

### Applications

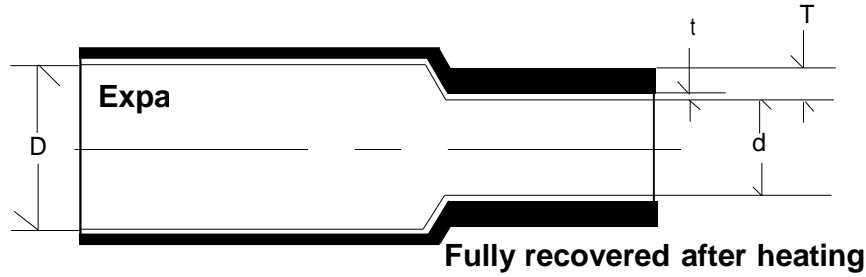
Daburn DAFLEX SM321 is a large size, heavier wall adhesive lined, large ratio, heat shrinkable tubing with a meltable adhesive liner. When 120°C is applied, the tubing will shrink to 1/3 of its supplied size. As the outer wall shrinks the inner adhesive liner melts and flows. When cooled, it offers protection for a variety of electrical applications such as insulating and sealing cable splices, terminations and jacket repairs as well as retrofitting. It provides “sealed-in” protection from chemicals and oils. DAFLEX SM321 also resists abrasion, UV radiation and is RoHS compliant.

### Features

- Shrink ratio: 67% or more in the radial direction, 20% or less in the axial direction
- Continuous operating temperature: - 55°C (-67°F) to 125°C (230°F)
- Flammability: UL-VW-1, CSA OFT (except clear)
- High Carbon Black composition to resist UV radiation
- To UL 224 Standard
- RoHS Compliant

### Specification/Test Values

Property		Test Method	Value	
Physical	Unaged	Tensile strength	Min. 1,200 psi	
		Elongation	Min. 200%	
	Aged	Tensile strength	ASTM D638	Min. 1,000 psi
		Elongation	ASTM D638	Min. 100%
	Fluid Resist.	Tensile strength	24°C /24 hrs	Min. 750 psi
		Dielectric strength	6 Fluids	Min. 200 Volts/Mil.
	Low temperature flex		-55°Cx4hrs	No cracks
Heat shock		225°Cx4 hrs.	No cracks, flowing or dripping	
Secant Modulus		ASTM D882	Max. 25,000 psi	
Electrical	Dielectric strength		ASTM D2671	Min. 200 Volts/Mil.
	Volume resistivity		ASTM D876	Min. 1 x 10 <sup>13</sup> Ω - cm
Chemical	Copper corrosion		121°C/16 hrs.	No corrosion
	Fungus resistance		ASTM G21	No growth
	Water Absorption		ASTM D570	Max. 0.5
	Flammability		ASTM D2671	Pass



**Product Sizes and Dimensions**

**Minimum Shrink Temperature: 120°C**

Daburn Item Number	mm size	Expanded			Recovered			
		Internal Diameter (min.) (D)		Adhesive Inner Wall (t)	Internal Diameter (max.) (d)		Total Wall Thickness (Nominal) (T)	
		In.	mm	In.	In.	mm	In.	mm
SM321-0.3"	7	0.3	7.6	0.0107	0.100	2.5	0.050	1.3
SM321-0.4"	10	0.4	10.2	0.0134	0.150	3.8	0.060	1.5
SM321-0.75"	20	0.75	19.1	0.0294	0.22	5.6	0.105	2.7
SM321-1.1"	28	1.1	27.9	0.0348	0.375	9.53	0.120	3.1
SM321-1.3"	33	1.3	33.0	0.0348	0.375	9.5	0.120	3.1
SM321-1.5"	38	1.5	38.1	0.0410	0.5	12.7	0.140	3.6
SM321-1.7"	43	1.7	43.2	0.0410	0.5	12.7	0.155	3.4
SM321-2"	51	2.0	50.8	0.0375	0.75	19.1	0.155	3.4
SM321-2.7"	70	2.7	68.6	0.0482	0.90	22.9	0.155	3.4
SM321-3"	76	3.0	76.2	0.0353	1.25	31.8	0.155	3.4
SM321-3.5"	90	3.5	88.9	0.0353	1.25	31.8	0.155	3.4
SM321-4"	100	4.0	101.6	0.0455	1.75	44.5	0.155	3.4
SM321-4.5"	115	4.5	114.3	0.0442	1.75	44.5	0.170	4.3
SM321-5"	130	5.1	130.0	0.0442	1.75	44.5	0.170	4.3

Standard Color: Black and Red (where indicated by -2). Please call for other colors.  
 All sizes sold in 4 foot lengths only.