



#SH382 – Diesel-Resistant Flexible

2:1 Elastomeric Polyolefin Heat Shrinkable Tubing

2:1 Shrink Ratio

Applications

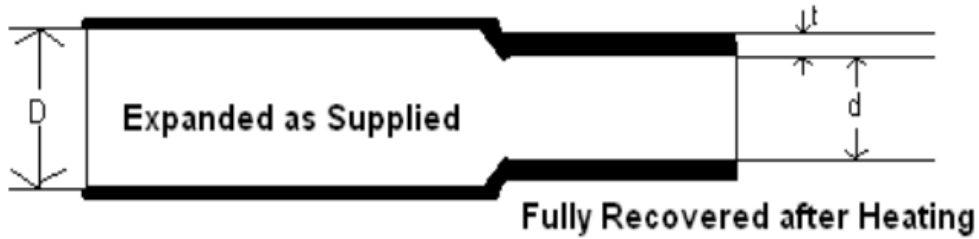
Daburn SH382 is flexible elastomer polyolefin tubing, resistant to aviation and diesel fuels, hydraulic fluids, and lubrication oils. It reliably protects wires, solder joints, terminals, connections and components from most industrial fuels, abrasion and mechanical damage.

Features

- Shrink ratio: 50% or more in the radial direction, 10% or less in the axial direction
- 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
- AMS-DTL-23053/16 (Formerly MIL-DTL-23053/16)
- RoHS Compliant

Specification/Test 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 hours	Min. 1500 psi
		Elongation		Min. 200%
		Dielectric strength	Six Fluids	Min. 200V/mil
	Low temperature flex		-65°Cx4hours	No cracks
	Heat shock		200°Cx4hours	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	



Minimum Shrink Temperature: 135°C

Item Number	Expanded		Recovered				AMS-DTL- MIL-DTL- Specification
	Internal Diameter (Minimum) (D)		Internal Diameter (Maximum) (d)		Minimum Wall Thickness (t)		
	Inches	mm	Inches	mm	Inches	mm	
SH382-1/8	0.125	3.2	0.062	1.6	0.030	0.76	23053/16
SH382-3/16	0.188	4.8	0.093	2.4	0.033	0.84	23053/16
SH382-1/4	0.250	6.4	0.125	3.2	0.035	0.89	23053/16-001
SH382-3/8	0.375	9.6	0.187	4.8	0.040	1.02	23053/16-002
SH382-1/2	0.500	12.8	0.250	6.4	0.048	1.22	23053/16-003

Standard Color: Black

Standard Put-Ups (Spool Sizes): 25', 50', & 100', also 250' on 1/4" & 3/16", & 500' on 1/8". Please call for other put-ups.

Please call to inquiry about the availability of additional sizes of Daburn #SH382. Larger sizes are also available in Daburn item #SH380.