

#SH721 Viton® Heat Shrink Tubing (AMS-DTL-23053/13 (MIL-DTL-23053/13))

**2:1 Shrink Ratio,
Fluoroelastomer Tubing
Flexible
High Temperature
Chemical and Abrasion Resistant**

Applications

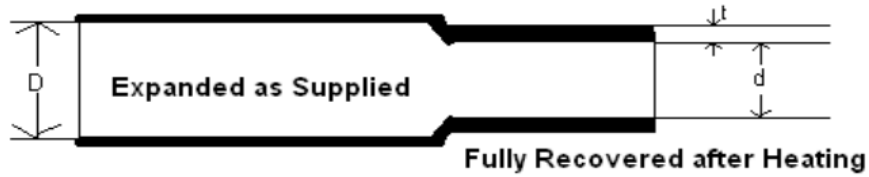
Daburn SH721 is a heat shrinkable, flexible, fluoroelastomer sleeving that is used in high temperature applications or where exposure to high temperature and aggressive solvents is expected. It is widely used in hydraulic equipment, aircraft manufacture and ship building applications.

Features

- Shrink ratio: 50% or more in the radial direction, 20% or less in the axial direction
- Shrink temperature 175° C
- Continuous operating temperature range: - 40°C (-40°F) to 200°C (392°F)
- Excellent abrasion protection while maintaining flexibility at high temperatures
- High resistance to chemicals and oils
- AMS-DTL-23053/13 (Formerly MIL-DTL-23053/13)
- RoHS Compliant

Specification/Test Values

Property		Test Method	Value	
Physical	Unaged	Tensile strength	Min. 1,200 psi	
		Elongation	Min. 250%	
		Tensile stress @ 200% elongation	Max. 2,000 psi	
	Aged	Tensile strength	ASTM-D412	Min. 1,200 psi
		Elongation	250°C/168 hrs	Min. 200%
	Fluid Resistance	Tensile strength	ASTM-D412	Min. 1,200 psi
		Elongation	250°C/168 hrs	Min. 250%
	Heat shock 9		300°C/4 hrs	No cracking, flowing or dripping
	Cold bend		- 40°C/4 hrs	No cracking
Voltage withstand		2kV/1min	Pass	
Electrical	Dielectric strength	ASTM-D2671	Min. 200 olts/mil	
	Volume resistivity	ASTM-D876	Min. 10 ⁹ Ω - cm	
Chemical	Copper corrosion	175°C/16 hrs	No pitting or corrosion	
	Fungus resistance	ASTM G21	No growth	
	Water absorption	ASTM-D570	Max 0.5	
	Flammability	ASTM-D2671	Pass	



Daburn Part #	Expanded		Recovered				AMS-DTL- MIL-DTL-
	Internal Diameter (Minimum) (D)		Internal Diameter (Maximum) (d)		Minimum Total Wall Thickness (t)		
	In.	mm	In.	mm	In.	mm	
SH721-1/8	0.125	3.4	0.063	1.6	0.048	0.65	23053/13-012
SH721-3/16	0.187	4.7	0.094	2.4	0.028	0.72	23053/13-001
SH721-1/4	0.250	6.4	0.125	3.2	0.028	0.72	23053/13-002
SH721-3/8	0.375	9.5	0.187	4.7	0.028	0.72	23053/13-003
SH721-1/2	0.500	12.7	0.250	6.4	0.028	0.72	23053/13-004
SH721-5/8	0.625	15.9	0.312	7.9	0.034	0.90	23053/13-005
SH721-3/4	0.750	19.1	0.375	9.5	0.034	0.90	23053/13-006
SH721-7/8	0.875	22.2	0.437	11.1	0.038	0.92	23053/13-007
SH721-1"	1.000	25.4	0.500	12.7	0.038	0.92	23053/13-008
SH721-1 1/4"	1.125	31.8	0.625	15.9	0.040	1.02	23053/13-009
SH721-1 1/2"	1.500	38.1	0.750	19.1	0.040	1.02	23053/13-010

Standard Color: Black

Standard Put-Ups (Spool Sizes): 25', 50', & 100', also 250' on 1/8", 3/16", & 1/4", & 500' on 1/8". Larger spool sizes have a discounted price per foot. Please call for other put-ups.

Storage Condition: Keep cool. Don't keep package over 8 hours at temperature exceeding 40 °C (104 °F).

* Test Fluids:	Hydraulic Fluid petroleum base	MIL-H-5606
	JP-8	Mil-T-5624
	Lubricating Oil	Mil-L-7808
	Lubricating Oil	MIL-L-23699
	5 percent NaCl	A-A-694
	Deicing Fluid	Mil-A-8243