

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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#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

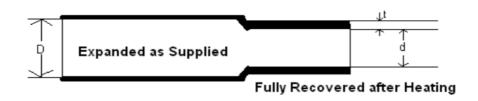
- Shrink ratio: 50% or more in the radial direction, 20% or less in the axial direction
- Shrink temperature 175° C
- Continuous operating temperature range: 40°C (-40°F) to 200°C (392°F)
- Excellent abrasion protection while maintaining flexibility at high temperatures
- High resistance to chemicals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

Specification/Test Values

	Prope	erty	Test Method	Value	
Physical	·	Tensile strength		Min. 1,200 psi	
	Unaged	Elongation	ASTM-D412	Min. 250%	
		Tensile stress	AOTIVI-D412	Max. 2,000 psi	
		@ 200% elongation		•	
	Aged	Tensile strength	ASTM-D412	Min. 1,200 psi	
		Elongation	250°C/168 hrs	Min. 200%	
	Fluid	Tensile strength	ASTM-D412	Min. 1,200 psi	
	Resistance	Elongation	250°C/168 hrs	Min. 250%	
	Heat shock	g	300°C/4 hrs	No cracking, flowing or dripping	
	Cold bend		- 40°C/4 hrs	No cracking	
	Voltage withstand		2kV/1min	Pass	
Electrical	Dielectric str	ength	ASTM-D2671	Min. 200 olts/mil	
	Volume resis	stivity	ASTM-D876	Min. $10^9\Omega$ - 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	

Rev. May 2011





	Expanded		Recovered				
Daburn Part #	Internal Diameter (Minimum) (D)		Internal Diameter (Maximum) (d)		Minimum Total Wall Thickness (t)		AMS-DTL- MIL-DTL-
	ln.	mm	ln.	mm	ln.	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 $^{\circ}$ C (104 $^{\circ}$ 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