

M23053/16

2:1 SHRINK RATIO, DIESEL-RESISTANT, FLEXIBLE, HEAT SHRINKABLE ELASTOMERIC POLYOLEFIN TUBING

Applications

MIL-DTL-23053/16 is a 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 to 120°C
- ★ High resistance to aviation fuels, diesel fuels and oils
- ★ Heavy wall, flexible tubing

Standard

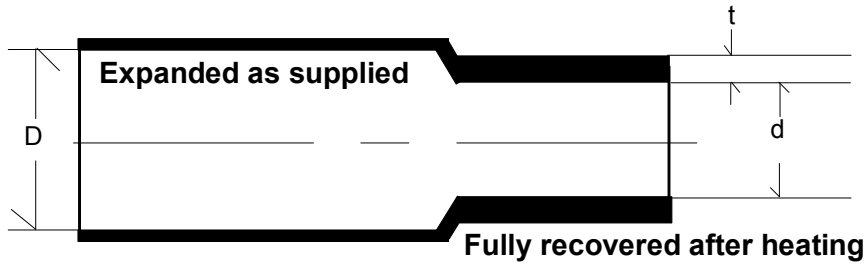
- ★ MIL-DTL-23053/16 (1/8" and 3/16" not Mil-Spec sizes)

Specification Values

	Property	Test Method	Value
Physical	Tensile strength	ASTM D 792	Minimum 1.2kgf/mm ²
	Elongation		Minimum 250%
	Heat shock	200°C/4 hrs	No cracking, flowing or dripping
	Cold bend	-75°C/4 hrs	No cracking
	Specific Gravity	-	1.4 Maximum
Electrical	Dielectric strength	ASTM D 2671	11.8 kV/mm
	Volume resistivity	ASTM D 876	Min. 10 ¹⁰ Ω - cm
Chemical	Copper corrosion	150°C/16 hrs	No corrosion
	Fungus Resistance	ASTM G 21	No growth
	Flammability	Self extinguish	Pass

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Product Dimensions

Minimum Shrink Temperature: 135°C

Size	Expanded		Recovered				Standard Spool Length
	Internal Diameter (Minimum) (D)		Internal Diameter (Maximum) (d)		Minimum Wall Thickness (t)		
Inch Size	In.	mm	In.	mm	In.	mm	Ft.
1/8"	0.125	3.2	0.062	1.6	0.030	0.76	500
3/16"	0.188	4.8	0.093	2.4	0.033	0.84	250
1/4"	0.250	6.4	0.125	3.2	0.035	0.89	250
3/8"	0.375	9.6	0.187	4.8	0.040	1.02	100
1/2"	0.500	12.8	0.250	6.4	0.048	1.22	100
3/4"	0.750	19.3	0.375	9.5	0.057	1.45	100
1"	1.000	25.4	0.500	12.7	0.070	1.78	100
1-1/4"	1.250	31.8	0.712	18.1	0.086	2.20	100
1-1/2"	1.500	38.1	0.858	21.8	0.094	2.41	100

Standard Color: Black