

## M23053/11 C2

### 1.67:1 SHRINK RATIO, FLUORINATED ETHYLENE PROPYLENE TUBING

#### Applications

MIL-DTL-23053/11 C2 is a flame retardant heat shrinkable fluorinated ethylene propylene tube. It has a high shrink ratio with a medium wall.

#### Features

- ★ In stock for immediate shipments
- ★ Shrink ratio: 1.67:1 shrink ratio in the radial direction, ± 15% in the axial direction
- ★ Continuous operating temperature: - 75°C to 200°C
- ★ High resistance to chemicals and oils

#### Standard

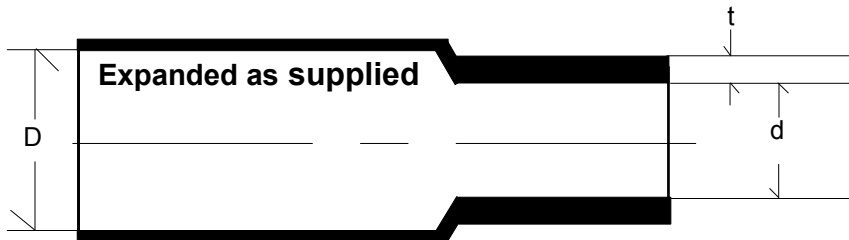
- ★ MIL-DTL-23053/11 Class 2
- ★ RoHS Compliant

#### Specification Values

	Property	Test Method	Value
Physical	Specific Gravity	ASTM D792	2.13-2.17 grams/cm <sup>3</sup>
	Elongation	ASTM D638	250-330%
	Tensile Strength	ASTM D638	2800-5000 psi
	Flexural Strength	ASTM D790	No break
	Compressive Strength	ASTM D695	2000 psi
	Flexural Modulus	ASTM D790	78000-92000 psi
	Hardness Durometer	ASTM D636	D-55
	Abrasion Resistance	Taber	14-20 (1000 revs)
Electrical	Dielectric Strength	ASTM D149	500 (125 MIL)
		ASTM D149	≥1400 (10 MIL)
	Volume Resistivity	ASTM D257	>10 <sup>18</sup> Ω - cm
	Surface Resistivity	ASTM D257	>10 <sup>17</sup> Ω - cm
General	Chemical/Solvent Resistance	ASTM D543	No corrosion
	Water Absorption	ASTM D570	<0.01
	Deformation Under Load	ASTM D621	No growth
	Flammability Rating	UL 94	V -0

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Fully recovered after heating

### Product Dimensions

Minimum Shrink Temperature: 210°C (over 1" Dia. 221°C)

Size	Expanded		Recovered				23053/11
	Internal Diameter (min.) (D)		Internal Diameter (max.) (d)		Total Wall Thickness (t)		
	In.	mm	In.	mm	In.	mm	Class 2
3/32"	.093	2.36	.056	1.42	.008 ± .003	.203 ± .076	201
1/8"	.125	3.18	.075	1.91	.010 ± .003	.254 ± .076	202
3/16"	.188	4.78	.115	2.92	.010 ± .003	.254 ± .076	203
1/4"	.250	6.35	.150	3.81	.010 ± .003	.254 ± .076	204
3/8"	.375	9.53	.225	5.72	.012 ± .003	.305 ± .076	205
1/2"	.500	12.70	.300	7.62	.015 ± .004	.381 ± .102	206
3/4"	.750	19.05	.450	11.43	.020 ± .004	.508 ± .102	207
1"	1.000	25.40	.600	15.24	.025 ± .005	.635 ± .127	208
1-1/2"	1.500	38.10	.900	22.86	.030 ± .005	.762 ± .127	209
2"	2.000	50.80	1.200	30.46	.030 ± .005	.762 ± .127	210