



Flexible Viton™ Heat Shrinkable Tube

SHRINK RATIO 2:1

MIL-DTL-23053/13

FLAME RETARDANT, UL VW-1

RoHS COMPLIANT

VIT-200 is a modified fluoroelastomer heat shrinkable tube designed for superior impact, abrasion and cut through resistance.



VIT-200 Applications

Vit-200 is designed for high impact applications such as aerospace and military applications. It is highly resistant to corrosive fluids, fuels, lubricants, acids, and solvents at an elevated temperature.

Characteristics

Operating Temperature: -55° to 200° Celsius

Minimum Full Recovery Shrink Temperature: 175°C

Flame Retardant, UL VW-1

Shrink Ratio: 2:1

Environmentally Friendly

Packaging: 1/8" to 2" Inch Spools Standard Wall and 3/8" to 2" Thin Wall

Specifications

Standard Wall

Gamma	Minimum Expanded		Maximum Recovered	Recovered Thickness	Standard Packaging
Part No.	as Supplied		After Heating	After Heating	Packaging
W/ Size	Mm	Inch	Mm	Mm	Spool
VIT-200-1/8	3.2	0.125	1.6	0.76	250'
VIT-200-3/16	4.8	0.187	2.4	0.90	250'
VIT-200-1/4	6.4	0.250	3.2	0.90	250'
VIT-200-3/8	9.5	0.375	4.8	0.90	250'
VIT-200-1/2	12.7	0.50	6.4	1.10	100'
VIT-200-3/4	19.1	0.75	9.5	1.30	100'
VIT-200-1	25.4	1.00	12.7	1.65	100'
VIT-200-1 1/2	38.1	1.50	19.1	1.90	50'
VIT-200-2	50.8	2.00	25.4	2.80	50'

Thin Wall

Gamma	Minimum Expanded		Maximum Recovered	Recovered Thickness	Standard Packaging
Part No.	as Supplied		After Heating	After Heating	Packaging
W/ Size	Mm	Inch	Mm	Mm	Spool
VIT-200TW-3/8	9.5	0.374	4.8	0.90	250'
VIT-200TW-1/2	12.7	0.50	6.4	0.90	250'
VIT-200TW-5/8	15.9	0.626	7.9	1.07	250'
VIT-200TW-3/4	19.1	0.75	9.5	1.07	250'
VIT-200TW-7/8	22	0.866	11	1.25	100'
VIT-200TW-1	25.4	1.0	12.7	1.25	100'
VIT-200TW-1 1/4	31.8	1.25	15.7	1.40	100'
VIT-200TW-1 1/2	38.1	1.50	19.0	1.40	50'
VIT-200TW-2	50.8	2.00	25.4	2.65	50'

Properties

Property	Test Method	Standard
Operating Temperature	IEC216	-55°C to 200°C
Un-aged Tensile Strength	ASTM D 2671	Min.8.5MPa
Un-aged Elongation	ASTM D 2671	Min.250%
After Aged Elongation	250°C, 168hrs	Min200%
Heat Shock	300°C, 4hrs	No Cracking or Dropping
Flexibility	ASTM D 412	Max. 13.8MPa
Dialectric Strength	ASTM D 2671	Min.7.9KVmm
Volume Resistance	ASTM D 876	Min. 10 ⁹ Ω.cm
Copper Corrosion	SAE-AMS-DTL-23053/13 (175°, 16hrs)	No Corrosion
Flammability	ASTM D 2671	Self-extinguish in 15 sec

Color Code: 0=BLK, 1=BRN, 2=RED, 3=ORN, 4=YLW, 5=GRN, 6=BLU, 7=VIO, 8=GRY, 9=WHT, X=CLR

P/N Example: VIT-200-1/4-0 = Black 1/4" Tubing

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