

3M Scotch® FP-301 Heat Shrink Tubing

Category : Polymer , Thermoset

Material Notes:

Scotch® Heat Shrink Tubing FP-301 offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. Rated for 135°C continuous operation, all FP-301 tubing is split resistant, mechanically tough, easily marked and resists cold flow. FP-301 tubing is rated for continuous operation at -55°C to 135°C, and is designed to withstand elevated temperatures to 300°C for short periods. Minimum shrink temperature for all FP-301 tubing is 100°C. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotch-FP-301-Heat-Shrink-Tubing.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in ³	Clear
	1.30 g/cc	0.0470 lb/in ³	Opaque
Water Absorption	0.20 %	0.20 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	16.5 MPa	2390 psi	
Elongation at Break	400 %	400 %	
	175 %	175 %	Heat Aged
	@Temperature 175 °C, Time 1.21e+6 sec	@Temperature 347 °F, Time 336 hour	
2% Secant Modulus	0.0896 GPa	13.0 ksi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	135 °C	275 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	
Dielectric Strength	35.4 kV/mm	900 kV/in	

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