

3M VFP-876 Tubing

Category : Polymer , Thermoset

Material Notes:

3M VFP-876 is the most flexible of the heat-shrinkable, polyolefin tubings. Rated at 135°C. VFP-876 Tubing has been engineered to offer a low shrink temperature of 100°C. This allows the tubing to shrink rapidly, thereby minimizing heat exposure and possible damage to sensitive substrate materials or components. VFP-876 Tubing meets MIL-R-46846, Type V and AMS-3587 and is UL Recognized (UL File Nos. E-39100 and E-69751). It is rated for continuous operation from -55°C to 135°C and withstands elevated temperatures to 300°C for brief periods. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-VFP-876-Tubing.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	
Water Absorption	0.20 %	0.20 %	Solvent Resistance

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	5.17 MPa	750 psi	
	14.5 MPa	2100 psi	
Elongation at Break	450 %	450 %	
	>= 200 %	>= 200 %	Heat Aged
	@Temperature 175 °C, Time 1.21e+6 sec	@Temperature 347 °F, Time 336 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	135 °C	275 °F	
	300 °C	572 °F	for short periods
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	
Dielectric Strength	15.7 kV/mm	400 kV/in	Solvent Resistance
	31.5 kV/mm	800 kV/in	

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