

3M TMW Tubing

Category : Polymer , Thermoset

Material Notes:

3M TMW Tubing is a semi-rigid translucent heat-shrinkable polyolefin tubing that is co-extruded and selectively cross-linked with an integral, meltable inner wall. When heated in excess of 135°C the adhesive inner wall of the tubing is softened and forced by the shrinking action of the outer wall into contact with all underlying surfaces and small voids. The adhesive forms a flexible bond with a wide variety of rubber, plastics and metals. Upon cooling, 3M TMW tubing provides a tough, protective and insulating barrier, highly resistant to penetration by moisture, chemicals and solvents. #M TMW tubing is rated for continuous operation at temperatures from -55°C to 110°C and will withstand higher operating temperatures for brief periods. Adhesive reflow will occur at temperatures above 80°C. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-TMW-Tubing.php

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in ³	
Water Absorption	0.10 %	0.10 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 4.14 MPa	>= 600 psi	Gasoline Resistance
	6.89 MPa	999 psi	Solvent Resistance
	17.2 MPa	2490 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	0.221 GPa	32.0 ksi	

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
	23.6 kV/mm	600 kV/in	Fluid Resistance
	35.4 kV/mm	900 kV/in	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China