

3M MW Heat Shrink Tubing

Category : Polymer , Thermoset

Material Notes:

3M Heat Shrink Tubing MW is a semi-rigid, 110°C heat-shrinkable polyolefin tubing that is a co-extruded and selectively cross-linked to provide an integral, meltable inner wall. When heated in excess of 135°C, the inner meltable wall of the tubing is simultaneously softened and forced by the shrink action into intimate contact with all underlying surfaces, interstices and small voids. Upon cooling, the MW tubing provides a tough protective and insulating barrier, highly resistant to penetration by moisture and the introduction of chemicals and solvents. Adhesive reflow will occur at temperatures about 80°C. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-MW-Heat-Shrink-Tubing.php

Physical Properties	Metric	English	Comments
Water Absorption	0.10 %	0.10 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	15.2 MPa	2200 psi	
Elongation at Break	400 %	400 %	
	175 %	175 %	
	@Temperature 175 °C, Time 1.21e+6 sec	@Temperature 347 °F, Time 336 hour	Heat Aged
2% Secant Modulus	0.186 GPa	27.0 ksi	

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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