

Mearthane Durethaneâ,,ç M DM-650A Foam Polyurethane

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane Foam, Unreinforced , Rubber or Thermoset Elastomer (TSE)

Material Notes:

MDI backbone: ester. Shore 00 Hardness: 95 Summary: Durethane M is a flexible, microcellular, open cell and closed cell urethane foam.

Because it is mechanically mixed, the cell size is uniform. Durethane M is very economical, and has excellent resistance to compression set.

It can be formulated to form an integral skin. Applications: The compression set resistance of Durethane M makes it an effective material for

applications with repeated compression cycles, such as actuator pads on postal meters and idler belts. Conductivity: All Durethane

elastomers can be formulated to be electrically conductive, for applications involving electrostatic dissipation (ESD). Mearthane's

proprietary conductivity process does not comprise the material performance specification of the urethane. Information provided by

Mearthane Products Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mearthane-Durethane-M-DM-650A-Foam-Polyurethane.php

Physical Properties	Metric	English	Comments
Density	0.800 g/cc	0.0289 lb/in ³	ASTM D3574A

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	ASTM D2240
Tensile Strength, Ultimate	79.3 MPa	11500 psi	ASTM D3574E
Elongation at Break	625 %	625 %	ASTM 3457E
100% Modulus	0.00131 GPa	0.190 ksi	ASTM D3574E
200% Modulus	0.00210 GPa	0.305 ksi	ASTM D3574E
300% Modulus	0.00314 GPa	0.455 ksi	ASTM D3574E
Compressive Yield Strength	0.480 MPa	69.6 psi	at 10% deflection; ASTM D3574C
	0.720 MPa	104 psi	at 20% deflection; ASTM D3574C
	1.03 MPa	149 psi	at 30% deflection; ASTM D3574C
Resilience	40	40	Bashore Rebound; ASTM 2632D
Tear Strength Test	130	130	lb; Die C; ASTM 3457F

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