

Mearthane Durethaneâ„¢ M DM-720A Foam Polyurethane

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

Material Notes:

MDI backbone: ether. Shore 00 Hardness: 65 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-720A-Foam-Polyurethane.php

Physical Properties	Metric	English	Comments
Density	0.480 g/cc	0.0173 lb/in ³	ASTM D3574A

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	20	20	ASTM D2240
Tensile Strength, Ultimate	11.4 MPa	1650 psi	ASTM D3574E
Elongation at Break	350 %	350 %	ASTM 3457E
100% Modulus	0.000414 GPa	0.0600 ksi	ASTM D3574E
200% Modulus	0.00103 GPa	0.149 ksi	ASTM D3574E
300% Modulus	0.00134 GPa	0.194 ksi	ASTM D3574E
Compressive Yield Strength	0.0700 MPa	10.2 psi	at 10% deflection; ASTM D3574C
	0.121 MPa	17.5 psi	at 20% deflection; ASTM D3574C
	0.160 MPa	23.2 psi	at 30% deflection; ASTM D3574C
Resilience	52	52	Bashore Rebound; ASTM 2632D
Tear Strength Test	43	43	lb; Die C; ASTM 3457F

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