Mearthane Durethaneâ„¢ M DM-715A Foam Polyurethane

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

Material Notes:

MDI backbone: ether.Shore 00 Hardness: 60Summary: 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-715A-Foam-Polyurethane.php

Physical Properties	Metric	English	Comments
Density	0.400 g/cc	0.0145 lb/inÂ³	ASTM D3574A

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	15	15	ASTM D2240
Tensile Strength, Ultimate	7.60 MPa	1100 psi	ASTM D3574E
Elongation at Break	360 %	360 %	ASTM 3457E
100% Modulus	0.000303 GPa	0.0439 ksi	ASTM D3574E
200% Modulus	0.000660 GPa	0.0957 ksi	ASTM D3574E
Compressive Yield Strength	0.0600 MPa	8.70 psi	at 10% deflection; ASTM D3574C
	0.0900 MPa	13.1 psi	at 20% deflection; ASTM D3574C
	0.120 MPa	17.4 psi	at 30% deflection; ASTM D3574C
Resilience	49	49	Bashore Rebound; ASTM 2632D
Tear Strength Test	35	35	lb; Die C; ASTM 3457F

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