

Arkema Group Pebax® MH 1657 Polyether Block Amide (PEBA)

Category : Polymer , Thermoplastic , Polyether Block Amide (PEBA)

Material Notes:

Polyether block amide PEBAX® MH 1657 is a thermoplastic elastomer made of flexible polyether and rigid polyamide. MH 1657 is an inherently dissipative polymer and can be dry blended or compounded with an isolative polymer to lower the surface resistivity. Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Pebax-MH-1657-Polyether-Block-Amide-PEBA.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in³	ISO 1183
Moisture Absorption at Equilibrium	4.5 % @Temperature 20.0 °C	4.5 % @Temperature 68.0 °F	50% RH; ISO 62

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	40	40	Instantaneous, Conditioned 15 days at 23°C - 50% RH; ISO 868
Flexural Modulus	0.0800 GPa	11.6 ksi	Conditioned 15 days at 23°C - 50% RH; ISO 178

Thermal Properties	Metric	English	Comments
Melting Point	204 °C	399 °F	ISO 11357

Optical Properties	Metric	English	Comments
Refractive Index	1.508	1.508	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+9 ohm-cm	2.00e+9 ohm-cm	IEC 60093
Surface Resistivity per Square	1.00e+9 ohm	1.00e+9 ohm	IEC 60093
Static Decay	<= 1.0 sec	<= 1.0 sec	MIL B-81705

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