

Arkema Group Pebax® MV 1074 SA 01 MED Polyether Block Amide (PEBA)

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

Material Notes:

Polyether block amide PEBAX® MV 1074 SA 01 MED is a thermoplastic elastomer made of hydrophilic flexible polyether and rigid polyamide. PEBAX® MV 1074 SA 01 MED is an inherently dissipative polymer and can be dry blended or compounded with an isolative polymer to lower the surface resistivity. This grade offers the highest quality and it is specially designed to meet the stringent requirements of the medical applications such as minimally invasive devices. Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Pebax-MV-1074-SA-01-MED-Polyether-Block-Amide-PEBA.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ISO 1183
Water Absorption	48 %	48 %	24 hr in water at 20°C; ISO 62
Moisture Absorption at Equilibrium	1.4 %	1.4 %	50% RH; ISO 62
Water Absorption at Saturation	0.50 %	0.50 %	20°C and 65% RH; ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	40	40	50% RH; ISO 868
Tensile Strength at Break	30.0 MPa	4350 psi	50% RH; ASTM D638
Elongation at Break	>= 700 %	>= 700 %	50% RH; ASTM D638
Flexural Modulus	0.0800 GPa	11.6 ksi	50% RH; ISO 178

Thermal Properties	Metric	English	Comments
Melting Point	158 °C	316 °F	ISO 11357

Optical Properties	Metric	English	Comments
Refractive Index	1.502	1.502	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.5e+9 ohm-cm	2.5e+9 ohm-cm	50% RH; IEC 60093
Surface Resistance	3e+9 ohm @Temperature 20.0 °C	3e+9 ohm @Temperature 68.0 °F	50% RH; IEC 60093
Static Decay	<= 1 sec	<= 1 sec	MIL B-81705

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