

Arkema Group Pebax® MX 1283 Polyether Block Amide (PEBA) (Dry)

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

Material Notes:

POLYETHER BLOCK AMIDE (PEBA) Supersoft grade (hardness 72 shore A) Modified 2533SN01 Applications: sport (tennis shoes parts)ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Pebax-MX-1283-Polyether-Block-Amide-PEBA-Dry.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in ³	
Water Absorption	1.1 %	1.1 %	
Moisture Absorption at Equilibrium	0.30 %	0.30 %	Humidity Absorption
Melt Flow	14 g/10 min @Load 1.00 kg, Temperature 235 °C	14 g/10 min @Load 2.20 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	72	72	
Tensile Strength, Yield	1.80 MPa @Strain 50.0 %	261 psi @Strain 50.0 %	50 mm/min
Tensile Modulus	0.00700 GPa	1.02 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	Low Temp
	NB	NB	
Charpy Impact, Notched	NB	NB	Low Temp
	NB	NB	

Thermal Properties	Metric	English	Comments
Melting Point	135 °C	275 °F	10°C/min
Glass Transition Temp, Tg	-50.0 °C	-58.0 °F	10°C/min

Electrical Properties	Metric	English	Comments
Electrical Resistivity	9.12e+11 ohm-cm	9.12e+11 ohm-cm	
Surface Resistance	2.73e+12 ohm	2.73e+12 ohm	

Electrical Properties	Metric//mm	English//in	Comments
Dissipation Factor	0.000428	0.000428	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	0.00043	0.00043	
	@Frequency 100 Hz	@Frequency 100 Hz	
Comparative Tracking Index	600 V	600 V	

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