

Arkema Group Pebax® 7233 SN 01 Polyether Block Amide (PEBA) (Dry)

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

Material Notes:

POLYETHER BLOCK AMIDE (PEBA) hardness 72 shore D Highest modulus PEBAX Applications: medical, extrusion SportISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Pebax-7233-SN-01-Polyether-Block-Amide-PEBA-Dry.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in ³	
Water Absorption	0.90 %	0.90 %	
Moisture Absorption at Equilibrium	0.70 %	0.70 %	Humidity Absorption
Melt Flow	5.0 g/10 min @Load 1.00 kg, Temperature 235 °C	5.0 g/10 min @Load 2.20 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	72	72	

Thermal Properties	Metric	English	Comments
Melting Point	176 °C	349 °F	10°C/min
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Optical Properties	Metric	English	Comments
Transmission, Visible	80 %	80 %	Mfr. reports 'Transparent' but doesn't quantify.

Electrical Properties	Metric	English	Comments
Electrical Resistivity	7.74e+13 ohm-cm	7.74e+13 ohm-cm	
Surface Resistance	1.84e+14 ohm	1.84e+14 ohm	
Dielectric Strength	44.5 kV/mm	1130 kV/in	
Dissipation Factor	0.00037 @Frequency 1e+6 Hz	0.00037 @Frequency 1e+6 Hz	

Electrical Properties	0.00074 Metric	0.00074 English	Comments
	@Frequency 100 Hz	@Frequency 100 Hz	
Comparative Tracking Index	600 V	600 V	

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