

Arkema Group Pebax® 3533 SN 01 Polyether Block Amide (PEBA) (Dry)

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

Material Notes:

POLYETHER BLOCK AMIDE (PEBA) hardness 35 shore D Non plasticized flexible Polyamide Outstanding mechanical properties at low temperature (-40°C) Applications: molded parts for sport goods (softness, nice touch feeling) Industrial (damping properties, overmolding, resiliency) ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Pebax-3533-SN-01-Polyether-Block-Amide-PEBA-Dry.php

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in ³	
Water Absorption	1.2 %	1.2 %	
Moisture Absorption at Equilibrium	0.50 %	0.50 %	Humidity Absorption
Melt Flow	12 g/10 min @Load 1.00 kg, Temperature 235 °C	12 g/10 min @Load 2.20 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	35	35	
Tensile Strength, Yield	3.80 MPa @Strain 50.0 %	551 psi @Strain 50.0 %	50 mm/min
Tensile Modulus	0.0190 GPa	2.76 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
Melting Point	144 °C	291 °F	10°C/min
Glass Transition Temp, Tg	-65.0 °C	-85.0 °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	3.21e+12 ohm-cm	3.21e+12 ohm-cm	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.54×10^{12} ohm	1.54×10^{12} ohm	
Dielectric Strength	33.5 kV/mm	851 kV/in	
Dissipation Factor	0.000564	0.000564	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	0.000609	0.000609	
	@Frequency 100 Hz	@Frequency 100 Hz	
Comparative Tracking Index	600 V	600 V	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China