

Arkema Group Pebax® 5533 SN 01 Polyether Block Amide (PEBA) (Dry)

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

Material Notes:

POLYETHER BLOCK AMIDE(PEBA) hardness 55 shore D Non plasticized flexible Polyamide Outstanding mechanical properties at low temperature (-40°C) Applications: overmolded parts for sport good (Football shoe sole) Industrial (conveyor belts, transmission belts)ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Pebax-5533-SN-01-Polyether-Block-Amide-PEBA-Dry.php

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in³	
Water Absorption	1.2 %	1.2 %	
Moisture Absorption at Equilibrium	0.50 %	0.50 %	Humidity Absorption
Melt Flow	8.0 g/10 min @Load 1.00 kg, Temperature 235 °C	8.0 g/10 min @Load 2.20 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	55	55	
Tensile Strength, Yield	12.0 MPa	1740 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	32 %	32 %	50 mm/min
Tensile Modulus	0.156 GPa	22.6 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	Low Temp
Charpy Impact, Notched	NB	NB	
	NB	NB	Low Temp

Thermal Properties	Metric	English	Comments
Melting Point	159 °C	318 °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	3.20e+13 ohm-cm	3.20e+13 ohm-cm	
Surface Resistance	1.64e+13 ohm	1.64e+13 ohm	
Dielectric Strength	38.5 kV/mm	978 kV/in	
Dissipation Factor	0.00048	0.00048	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	0.000943	0.000943	
	@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