

## Arkema Group Pebax® 2533 SN 01 Polyether Block Amide (PEBA) (Dry)

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

### Material Notes:

POLYETHER BLOCK AMIDE (PEBA) hardness 25 shore D Non plasticized flexible Polyamide Outstanding mechanical properties at low temperature (-40°C) Applications: molded parts for sport goods (softness, nice touch feeling) Matrix for volatile substances (perfumes) IndustrialISO data provided by the manufacturer, Arkema.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-Pebax-2533-SN-01-Polyether-Block-Amide-PEBA-Dry.php](http://www.lookpolymers.com/polymer_Arkema-Group-Pebax-2533-SN-01-Polyether-Block-Amide-PEBA-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in <sup>3</sup>	
Water Absorption	1.2 %	1.2 %	
Moisture Absorption at Equilibrium	0.50 %	0.50 %	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 D	25	25	
Tensile Strength, Yield	2.90 MPa @Strain 50.0 %	421 psi @Strain 50.0 %	50 mm/min
Tensile Modulus	0.0130 GPa	1.89 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
Melting Point	134 °C	273 °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	1.35e+12 ohm-cm	1.35e+12 ohm-cm	

Electrical Properties	Metric	English	Comments
<b>Dielectric Strength</b>	36.0 kV/mm	914 kV/in	
<b>Dissipation Factor</b>	0.00058	0.00058	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	0.00060	0.00060	
	@Frequency 100 Hz	@Frequency 100 Hz	
<b>Comparative Tracking Index</b>	600 V	600 V	

## Contact Songhan Plastic Technology Co.,Ltd.

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