

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

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-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in³	
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	31 %	31 %	50 mm/min
Tensile Modulus	0.150 GPa	21.8 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
CTE, linear, Parallel to Flow	170 µm/m-°C @Temperature 20.0 °C	94.4 µin/in-°F @Temperature 68.0 °F	
Melting Point	159 °C	318 °F	(Dry)
Deflection Temperature at 0.46 MPa (66 psi)	66.0 °C	151 °F	
Vicat Softening Point			50°C/hr; 50N

Thermal Properties	144 °C Metric	291 °F English	Comments
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@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
Surface Resistance	3.00e+12 ohm	3.00e+12 ohm	

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