

Arkema Group Pebax® 7033 Polyether Block Amide (PEBA)

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

Material Notes:

Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Pebax-7033-Polyether-Block-Amide-PEBA.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in³	ASTM D792
Water Absorption	0.90 %	0.90 %	24 hr in water at 20°C; ASTM D570
Water Absorption at Saturation	0.60 %	0.60 %	20°C and 65% RH; ASTM D570
Melt Flow	6.0 g/10 min	6.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	69	69	ASTM D2240
Tensile Strength at Break	52.0 MPa	7540 psi	ASTM D638
Tensile Strength, Yield	24.0 MPa	3480 psi	ASTM D638
Elongation at Break	420 %	420 %	ASTM D638
Elongation at Yield	18 %	18 %	ASTM D638
Flexural Modulus	0.390 GPa	56.6 ksi	ASTM D790
Izod Impact, Notched	NB	NB	ASTM D256-A
	0.500 J/cm @Temperature -40.0 °C	0.937 ft-lb/in @Temperature -40.0 °F	ASTM D256-A
Izod Impact, Unnotched	NB	NB	ASTM D256-A
	NB @Temperature -40.0 °C	NB @Temperature -40.0 °F	ASTM D256-A

Thermal Properties	Metric	English	Comments
Heat of Fusion	54.0 J/g	23.2 BTU/lb	ASTM D3417
CTE, linear	160 µm/m-°C @Temperature -40.0 - 140 °C	88.9 µin/in-°F @Temperature -40.0 - 284 °F	ASTM D696

Melting Point Thermal Properties	172 °C Metric	342 °F English	ASTM D3418 Comments
Deflection Temperature at 0.46 MPa (66 psi)	99.0 °C	210 °F	ASTM D648
Vicat Softening Point	165 °C	329 °F	under 1 daN; ASTM D1525

Electrical Properties	Metric	English	Comments
Surface Resistance	4.00e+13 ohm @Temperature 20.0 °C	4.00e+13 ohm @Temperature 68.0 °F	65% RH; ASTM D257

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