

Arkema Group Pebax® 7033 SN 01 Polyether Block Amide (PEBA) (Dry)

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

Material Notes:

POLYETHER BLOCK AMIDE (PEBA) hardness 70 shore D Non plasticized flexible Polyamide Outstanding mechanical properties at low temperature (-40°C) Applications: Sport (Football shoe sole, ski top layer, glasses...) Industrial (conveyor belts, Fasteners...)ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Pebax-7033-SN-01-Polyether-Block-Amide-PEBA-Dry.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in³	
Water Absorption	0.90 %	0.90 %	
Moisture Absorption at Equilibrium	0.60 %	0.60 %	Humidity Absorption
Melt Flow	6.0 g/10 min @Load 1.00 kg, Temperature 235 °C	6.0 g/10 min @Load 2.20 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70	70	
Tensile Strength, Yield	23.0 MPa	3340 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	22 %	22 %	50 mm/min
Tensile Modulus	0.414 GPa	60.0 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	Low Temp
Charpy Impact, Notched	NB	NB	
	0.550 J/cm² @Temperature -30.0 °C	2.62 ft-lb/in² @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	172 °C	342 °F	10°C/min
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Thermal Properties	Metric	English	Comments
	@Thickness 3.10 mm	@Thickness 0.122 in	

Optical Properties	Metric	English	Comments
Transmission, Visible	80 %	80 %	Mfr. reports 'Transparent' but doesn't quantify.

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