

PolyOne Gravi-Tech™ GRV-PB-069-BMX Natural Polyether Block Amide (PEBA-Ether)

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

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Gravi-Tech-GRV-PB-069-BMX-Natural-Polyether-Block-Amide-PEBA-Ether.php

Physical Properties	Metric	English	Comments
Specific Gravity	6.88 g/cc	6.88 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	6.89 MPa	999 psi	Type I, 5.1 mm/min; ASTM D638
Elongation at Break	1.0 %	1.0 %	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	4.03 GPa	585 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	12.4 MPa	1800 psi	ASTM D790
Flexural Modulus	2.69 GPa	390 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	0.993 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Injection Molded; ASTM D256A
Izod Impact, Unnotched (ISO)	5.25 kJ/m²	2.50 ft-lb/in²	ASTM D256

Processing Properties	Metric	English	Comments
Melt Temperature	232 - 271 °C	450 - 520 °F	
Mold Temperature	37.8 - 48.9 °C	100 - 120 °F	
Drying Temperature	71.1 °C	160 °F	
Dry Time	4.00 - 6.00 hour	4.00 - 6.00 hour	

Descriptive Properties	Value	Comments
Features	Non-Toxic	
Forms	Pellets	
Generic Material	PEBA-Ether	

Descriptive Properties	Value	Comments
Generic Name	Polyether Block Amide (PEBA-Ether)	
Processing Method	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Industrial Applications	
	Medical/Healthcare Applications	
	Projectiles	
	Radiation Shielding	
	Sporting Goods	
	Weighting & Balancing	

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