

EMS-Grivory Grivory® BGZ-15/2 PA6-GF15

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 20% Glass Fiber Filled

Material Notes:

Product description: Grilon BGZ-15/2 is a heat stabilized and impact modified PA6 injection molding grade with 15% glass fibers. Grilon BGZ-15/2 has the following important properties: Good impact strength High stiffness Easy processing Application examples are structural components for furniture applications, housings for electro power tools, and functional parts for automotive applications. Information provided by EMS Grivory

Order this product through the following link:

http://www.lookpolymers.com/polymer_EMS-Grivory-Grivory-BGZ-152-PA6-GF15.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	ISO 1183
Water Absorption	8.0 %	8.0 %	ISO 62
Moisture Absorption	2.00 %	2.00 %	ISO 62
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0070 cm/cm	0.0070 in/in	ISO 294-4, 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	conditioned; ISO 527-1/-2
	110 MPa	16000 psi	dry; ISO 527-1/-2
Elongation at Break	5.0 %	5.0 %	dry; ISO 527-1/-2
	15 %	15 %	conditioned; ISO 527-1/-2
Tensile Modulus	2.80 GPa	406 ksi	conditioned; ISO 527-1/-2
	5.30 GPa	769 ksi	dry; ISO 527-1/-2
Charpy Impact Unnotched	7.50 J/cm ²	35.7 ft-lb/in ²	dry; ISO 179/1eU
	9.00 J/cm ²	42.8 ft-lb/in ²	conditioned; ISO 179/1eU
	7.00 J/cm ²	33.3 ft-lb/in ²	dry; ISO 179/1eU
	@Temperature 30.0 °C	@Temperature 86.0 °F	
Charpy Impact, Notched	7.50 J/cm ²	35.7 ft-lb/in ²	conditioned; ISO 179/1eU
	@Temperature 30.0 °C	@Temperature 86.0 °F	
Charpy Impact, Notched	2.00 J/cm ²	9.52 ft-lb/in ²	dry; ISO 179/1eA
			conditioned; ISO 179/1eA

Mechanical Properties	2.50 J/cm ² Metric	11.9 ft-lb/in ² English	Comments
	1.10 J/cm ² @Temperature 30.0 °C	5.23 ft-lb/in ² @Temperature 86.0 °F	dry; ISO 179/1eU
	1.20 J/cm ² @Temperature 30.0 °C	5.71 ft-lb/in ² @Temperature 86.0 °F	conditioned; ISO 179/1eU

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	50.0 µm/m-°C	27.8 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	120 µm/m-°C	66.7 µin/in-°F	ISO 11359-1/-2
Melting Point	222 °C	432 °F	10°C/min; ISO 11357-1/-3
Maximum Service Temperature, Air	90.0 - 120 °C	194 - 248 °F	long term; EMS
	160 °C	320 °F	short term; EMS
Deflection Temperature at 1.8 MPa (264 psi)	190 °C	374 °F	ISO 75-1/-2
Deflection Temperature at 8.0 MPa	55.0 °C	131 °F	ISO 75-1/-2
Flammability, UL94	HB	HB	IEC 60695-11-10

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	conditioned; IEC 60093
	1.00e+14 ohm-cm	1.00e+14 ohm-cm	dry; IEC 60093
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	IEC 60093
Dielectric Strength	35.0 kV/mm	889 kV/in	conditioned; IEC 60243-1
	40.0 kV/mm	1020 kV/in	dry; IEC 60243-1
Comparative Tracking Index	600 V	600 V	conditioned; IEC 60112

Descriptive Properties	Value	Comments
Form	Granules	
Processing	Injection Molding	
Special Characteristics	High impact or impact modified	

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