

EMS-Grivory Grivory® BS/2 PA6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Product description: Grilon BS/2 is an unreinforced, nucleated standard PA6 injection molding grade with normal melt viscosity. Grilon BS/2 has the following important properties: Good flow behavior Easy processing Good sliding friction characteristics Grilon BS/2 has wide variety of applications in all market sectors, automotive, electrical, leisure and sport, e. g. clips, covers, housings. Information provided by EMS Grivory

Order this product through the following link:

http://www.lookpolymers.com/polymer_EMS-Grivory-Grivory-BS2-PA6.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ISO 1183
Water Absorption	9.0 %	9.0 %	ISO 62
Moisture Absorption	3.00 %	3.00 %	ISO 62
Linear Mold Shrinkage, Flow	0.011 cm/cm	0.011 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.011 cm/cm	0.011 in/in	ISO 294-4, 2577

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	60.0 MPa	8700 psi	conditioned; ISO 2039-1
	140 MPa	20300 psi	dry; ISO 2039-1
Tensile Strength at Break	55.0 MPa	7980 psi	conditioned; ISO 527-1/-2
	70.0 MPa	10200 psi	dry; ISO 527-1/-2
Tensile Strength, Yield	45.0 MPa	6530 psi	dry; ISO 527-1/-2
	90.0 MPa	13100 psi	dry; ISO 527-1/-2
Elongation at Break	5.0 %	5.0 %	dry; ISO 527-1/-2
	5.0 %	5.0 %	dry; ISO 527-1/-2
	>= 50 %	>= 50 %	conditioned; ISO 527-1/-2
Elongation at Yield	3.0 %	3.0 %	dry; ISO 527-1/-2
	15 %	15 %	conditioned; ISO 527-1/-2
Tensile Modulus	1.10 GPa	160 ksi	conditioned; ISO 527-1/-2
	3.30 GPa	479 ksi	dry; ISO 527-1/-2

Charpy Impact Unnotched Mechanical Properties	NB Metric	NB English	dry; ISO 179/1eU Comments
	NB	NB	conditioned; ISO 179/1eU
	3.00 J/cm ² @Temperature 30.0 °C	14.3 ft-lb/in ² @Temperature 86.0 °F	conditioned; ISO 179/1eU
	NB @Temperature 30.0 °C	NB @Temperature 86.0 °F	dry; ISO 179/1eU
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	dry; ISO 179/1eA
	2.00 J/cm ²	9.52 ft-lb/in ²	conditioned; ISO 179/1eA
	0.300 J/cm ² @Temperature 30.0 °C	1.43 ft-lb/in ² @Temperature 86.0 °F	conditioned; ISO 179/1eU
	0.400 J/cm ² @Temperature 30.0 °C	1.90 ft-lb/in ² @Temperature 86.0 °F	dry; ISO 179/1eU

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	70.0 µm/m-°C	38.9 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	100 µm/m-°C	55.6 µin/in-°F	ISO 11359-1/-2
Melting Point	222 °C	432 °F	10°C/min; ISO 11357-1/-3
Maximum Service Temperature, Air	70.0 - 90.0 °C	158 - 194 °F	long term; EMS
	180 °C	356 °F	short term; EMS
Deflection Temperature at 0.46 MPa (66 psi)	170 °C	338 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	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	28.0 kV/mm	711 kV/in	conditioned; IEC 60243-1
	30.0 kV/mm	762 kV/in	dry; IEC 60243-1

Comparative Tracking Index Electrical Properties	600 V Metric	600 V English	conditioned; IEC 60112 Comments
Descriptive Properties	Value		Comments
Automotive	Interior		
	Powertrain and Chassis		
Electricals & Electronics	Electrical appliances		
Form	Granules		
Industry & Consumer goods	Housewares		
	Mechanical Engineering		
	Sports & Leisure		
Processing	Injection Molding		
Product Attributes	Nucleated		

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