

EMS-Grivory Grivory® BRZ 334 H PA6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Product description: Grilon BRZ 334 H is a heat stabilized, medium viscosity, high impact modified PA6 extrusion grade. Grilon BRZ 334 H has the following important properties: High impact strength at low temperatures High flexibility Low density Grilon BRZ 334 H is used typically for applications which demand highest flexibility and toughness such as flexible tubes and fuel lines. Information provided by EMS Grivory

Order this product through the following link:

http://www.lookpolymers.com/polymer_EMS-Grivory-Grivory-BRZ-334-H-PA6.php

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in ³	ISO 1183
Water Absorption	5.0 %	5.0 %	ISO 62
Moisture Absorption	1.50 %	1.50 %	ISO 62

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	55	55	conditioned, 15s; ISO 868
	63	63	dry, 15s; ISO 868
Tensile Stress	20.0 MPa @Strain 50.0 %	2900 psi @Strain 50.0 %	conditioned; ISO 527-1/-2
	40.0 MPa @Strain 50.0 %	5800 psi @Strain 50.0 %	dry; ISO 527-1/-2
Elongation at Break	>= 50 %	>= 50 %	dry; ISO 527-1/-2
	>= 50 %	>= 50 %	conditioned; ISO 527-1/-2
Tensile Modulus	0.300 GPa	43.5 ksi	conditioned; ISO 527-1/-2
	0.950 GPa	138 ksi	dry; ISO 527-1/-2
Charpy Impact Unnotched	NB	NB	dry; ISO 179/1eU
	NB	NB	conditioned; ISO 179/1eU
	NB @Temperature 30.0 °C	NB @Temperature 86.0 °F	dry; ISO 179/1eU
	NB @Temperature 30.0 °C	NB @Temperature 86.0 °F	conditioned; ISO 179/1eU

Mechanical Properties	Metric	English	Comments
	NB	NB	conditioned; ISO 179/1eA
	8.50 J/cm²	40.4 ft-lb/in²	dry; ISO 179/1eU
	@Temperature 30.0 °C	@Temperature 86.0 °F	
	8.50 J/cm²	40.4 ft-lb/in²	conditioned; ISO 179/1eU
	@Temperature 30.0 °C	@Temperature 86.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	120 µm/m-°C	66.7 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	140 µm/m-°C	77.8 µin/in-°F	ISO 11359-1/-2
Melting Point	222 °C	432 °F	10°C/min; ISO 11357-1/-3
Maximum Service Temperature, Air	100 - 120 °C	212 - 248 °F	long term; EMS
	180 °C	356 °F	short term; EMS
Deflection Temperature at 0.46 MPa (66 psi)	55.0 °C	131 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	45.0 °C	113 °F	ISO 75-1/-2
Flammability, UL94	HB	HB	IEC 60695-11-10

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+10 ohm-cm	1.00e+10 ohm-cm	conditioned; IEC 60093
	1.00e+13 ohm-cm	1.00e+13 ohm-cm	dry; IEC 60093
Surface Resistance	1.00e+9 ohm	1.00e+9 ohm	IEC 60093
Dielectric Strength	22.0 kV/mm	559 kV/in	conditioned; IEC 60243-1
	26.0 kV/mm	660 kV/in	dry; IEC 60243-1
Comparative Tracking Index	600 V	600 V	conditioned; IEC 60112

Descriptive Properties	Value	Comments
Automotive	Air intake sytems	
	Cooling and climate control	
Electricals & Electronics	Cables & Tubes	

Form Descriptive Properties	Granules Value	Comments
Industry & Consumer goods	Hydraulics & Pneumatics	
	Mechanical Engineering	
	Power transmission	
Processing	Other Extrusion	
Product Attributes	Flexible	
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