

## EMS-Grivory Grivory® EBGM-20 HX PA666-GF15

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/6 , 20% Glass Fiber Reinforced

### Material Notes:

Product description: Grilon EBGM-20 HX black 9992 is a high viscosity, high heat stabilized PA66 + PA6 extrusion blow molding grade with 15% glass fibers. The special features of Grilon EBGM-20 HX black 9992 are: High melt strength High heat ageing resistance Easy to process Processable in Blow Molding Processable in Injection Molding Grilon EBGM-20 HX black 9992 is typically used in the automotive industry for applications such as charged air ducts and associated parts. Information provided by EMS Grivory

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_EMS-Grivory-Grivory-EBGM-20-HX-PA666-GF15.php](http://www.lookpolymers.com/polymer_EMS-Grivory-Grivory-EBGM-20-HX-PA666-GF15.php)

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in <sup>3</sup>	ISO 1183
Water Absorption	8.0 %	8.0 %	ISO 62
Moisture Absorption	3.00 %	3.00 %	ISO 62
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 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
Ball Indentation Hardness	75.0 MPa	10900 psi	conditioned; ISO 2039-1
	150 MPa	21800 psi	dry; ISO 2039-1
Tensile Strength at Break	55.0 MPa	7980 psi	conditioned; ISO 527-1/-2
	105 MPa	15200 psi	dry; ISO 527-1/-2
Elongation at Break	3.0 %	3.0 %	dry; ISO 527-1/-2
	7.0 %	7.0 %	conditioned; ISO 527-1/-2
Tensile Modulus	3.30 GPa	479 ksi	conditioned; ISO 527-1/-2
	6.30 GPa	914 ksi	dry; ISO 527-1/-2
Charpy Impact Unnotched	5.00 J/cm <sup>2</sup>	23.8 ft-lb/in <sup>2</sup>	dry; ISO 179/1eU
	6.50 J/cm <sup>2</sup>	30.9 ft-lb/in <sup>2</sup>	conditioned; ISO 179/1eU
	5.00 J/cm <sup>2</sup> @Temperature 30.0 °C	23.8 ft-lb/in <sup>2</sup> @Temperature 86.0 °F	dry; ISO 179/1eU
	5.00 J/cm <sup>2</sup>	23.8 ft-lb/in <sup>2</sup>	conditioned; ISO 179/1eU

Mechanical Properties	@Temperature 30.0 °C Metric	@Temperature 86.0 °F English	Comments
Charpy Impact, Notched	0.800 J/cm <sup>2</sup>	3.81 ft-lb/in <sup>2</sup>	dry; ISO 179/1eA
	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	conditioned; ISO 179/1eA
	0.500 J/cm <sup>2</sup>	2.38 ft-lb/in <sup>2</sup>	dry; ISO 179/1eU
	@Temperature 30.0 °C	@Temperature 86.0 °F	
	0.500 J/cm <sup>2</sup>	2.38 ft-lb/in <sup>2</sup>	conditioned; ISO 179/1eU
	@Temperature 30.0 °C	@Temperature 86.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	30.0 µm/m-°C	16.7 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	260 °C	500 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	195 °C	383 °F	ISO 75-1/-2
Deflection Temperature at 8.0 MPa	65.0 °C	149 °F	ISO 75-1/-2
Flammability, UL94	HB	HB	IEC 60695-11-10

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+11 ohm-cm	1.00e+11 ohm-cm	conditioned; IEC 60093
	1.00e+12 ohm-cm	1.00e+12 ohm-cm	dry; IEC 60093
Surface Resistance	1.00e+10 ohm	1.00e+10 ohm	IEC 60093
Dielectric Strength	30.0 kV/mm	762 kV/in	conditioned; IEC 60243-1
	40.0 kV/mm	1020 kV/in	dry; IEC 60243-1
Comparative Tracking Index	550 V	550 V	conditioned; IEC 60112

Descriptive Properties	Value	Comments
Automotive	Air intake systems	
Form	Granules	
Processing	Extrusion - blow molding	
	Other Extrusion	
Product Attributes	Nanocomposite	

Descriptive Properties	Value	Comments
------------------------	-------	----------

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China