

EMS-Grivory Grivory® TSK-30/4 PA666-GB30

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/6, 30% Glass Fiber Reinforced

Material Notes:

Product description: Grilon TSK-30/4 is a heat stabilized, normal viscosity PA66 +PA6 injection molding grade with 30% glass beads. Grilon TSK-30/4 has the following important properties: Good surface finishHigh abrasion resistanceLow warpage Grilon TSK-30/4 is used typically for low warpage applications such as air ducts, belt pulleys, and housing components.Information provided by EMS Grivory

Order this product through the following link:

http://www.lookpolymers.com/polymer_EMS-Grivory-Grivory-TSK-304-PA666-GB30.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ISO 1183
Water Absorption	5.0 %	5.0 %	ISO 62
Moisture Absorption	2.00 %	2.00 %	ISO 62
Linear Mold Shrinkage, Flow	0.0090 cm/cm	0.0090 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0090 cm/cm	0.0090 in/in	ISO 294-4, 2577

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	85.0 MPa	12300 psi	conditioned; ISO 2039-1
	175 MPa	25400 psi	dry; ISO 2039-1
Tensile Strength at Break	45.0 MPa	6530 psi	conditioned; ISO 527-1/-2
	75.0 MPa	10900 psi	dry; ISO 527-1/-2
Elongation at Break	10 %	10 %	dry; ISO 527-1/-2
	35 %	35 %	conditioned; ISO 527-1/-2
Tensile Modulus	1.80 GPa	261 ksi	conditioned; ISO 527-1/-2
	4.10 GPa	595 ksi	dry; ISO 527-1/-2
Charpy Impact Unnotched	3.00 J/cm ²	14.3 ft-lb/in ²	dry; ISO 179/1eU
	8.50 J/cm ²	40.4 ft-lb/in ²	conditioned; ISO 179/1eU
	2.50 J/cm ²	11.9 ft-lb/in ²	dry; ISO 179/1eU
	@Temperature 30.0 °C	@Temperature 86.0 °F	
	2.50 J/cm ²	11.9 ft-lb/in ²	conditioned; ISO 179/1eU
	@Temperature 30.0 °C	@Temperature 86.0 °F	

Charpy Impact, Notched Mechanical Properties	0.400 J/cm² Metric	1.90 ft-lb/in² English	dry; ISO 179/1eA Comments
	0.800 J/cm²	3.81 ft-lb/in²	conditioned; ISO 179/1eA
	0.200 J/cm² @Temperature 30.0 °C	0.952 ft-lb/in² @Temperature 86.0 °F	dry; ISO 179/1eU
	0.300 J/cm² @Temperature 30.0 °C	1.43 ft-lb/in² @Temperature 86.0 °F	conditioned; ISO 179/1eU

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	80.0 µm/m-°C	44.4 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	80.0 µm/m-°C	44.4 µin/in-°F	ISO 11359-1/-2
Melting Point	260 °C	500 °F	10°C/min; ISO 11357-1/-3
Maximum Service Temperature, Air	100 - 120 °C	212 - 248 °F	long term; EMS
	220 °C	428 °F	short term; EMS
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	ISO 75-1/-2
Deflection Temperature at 8.0 MPa	50.0 °C	122 °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	25.0 kV/mm	635 kV/in	conditioned; IEC 60243-1
	27.0 kV/mm	686 kV/in	dry; IEC 60243-1
Comparative Tracking Index	500 V	500 V	conditioned; IEC 60112

Descriptive Properties	Value	Comments
Automotive	Interior	
Electricals & Electronics	Electrical appliances	
	Lighting	
Form	Granules	

Descriptive Properties	Value	Comments
	Mechanical Engineering	
	Sports & Leisure	
	Tools & Accessories	
Processing	Injection Molding	

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