

EMS-Grivory Grivory® TSM-30/4 PA666-MD30

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/6 , Mineral Reinforced

Material Notes:

Information provided by EMS Grivory

Order this product through the following link:

http://www.lookpolymers.com/polymer_EMS-Grivory-Grivory-TSM-304-PA666-MD30.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	ISO 1183
Water Absorption	6.0 %	6.0 %	ISO 62
Moisture Absorption	2.00 %	2.00 %	ISO 62
Linear Mold Shrinkage, Flow	0.014 cm/cm	0.014 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.014 cm/cm	0.014 in/in	ISO 294-4, 2577

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	135 MPa	19600 psi	conditioned; ISO 2039-1
	180 MPa	26100 psi	dry; ISO 2039-1
Tensile Strength at Break	50.0 MPa	7250 psi	conditioned; ISO 527-1/-2
	85.0 MPa	12300 psi	dry; ISO 527-1/-2
Elongation at Break	7.0 %	7.0 %	dry; ISO 527-1/-2
	35 %	35 %	conditioned; ISO 527-1/-2
Tensile Modulus	2.10 GPa	305 ksi	conditioned; ISO 527-1/-2
	4.80 GPa	696 ksi	dry; ISO 527-1/-2
Charpy Impact Unnotched	4.00 J/cm ² @Temperature 30.0 °C	19.0 ft-lb/in ² @Temperature 86.0 °F	dry; ISO 179/1eU
	5.00 J/cm ² @Temperature 30.0 °C	23.8 ft-lb/in ² @Temperature 86.0 °F	conditioned; ISO 179/1eU
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	dry; ISO 179/1eA
	0.500 J/cm ²	2.38 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	dry; ISO 179/1eU

Mechanical Properties	Metric N/cm^2	English lb/in^2	Comments
	@Temperature 30.0 °C	@Temperature 86.0 °F	Conditioned, ISO 179/1e0

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	10°C/min; ISO 11357-1/-3
Maximum Service Temperature, Air	90.0 - 120 °C	194 - 248 °F	long term; EMS
	180 °C	356 °F	short term; EMS
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	ISO 75-1/-2
Flammability, UL94	HB	HB	IEC 60695-11-10

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	conditioned; IEC 60093
	1.00e+13 ohm-cm	1.00e+13 ohm-cm	dry; IEC 60093
Surface Resistance	1.00e+11 ohm	1.00e+11 ohm	IEC 60093

Descriptive Properties	Value	Comments
Form	Granules	
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