

EMS-Grivory Grivory® TS V0 X PA666 FR

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

Material Notes:

Product description: Grilon XE 5030 is a heat stabilized, flame retardant and self-extinguishing injection molding grade on the basis of PA6-PA66-alloy. Grilon XE 5030 features the following main properties: Flame retardant system free of halogen compounds and elementary phosphorus UL 94 V-0 down to 0.8 mm thickness High toughness Good mechanical properties RoHS: Grilon XE 5030 complies with the regulations acc. RoHS (2002/95/EC, Restriction of Hazardous Substances). WEEE: Parts made of Grilon XE 5030 are not affected by the demands for "selective recycling" acc. Guideline 2002/96/EC for Electro and Electronic Appliance. Grilon XE 5030 was developed for manufacturing of parts in the field of electric and electronic equipment such as fuses, strips, cable binders, plug-in terminal strips, and coil former bobbins. Information provided by EMS Grivory

Order this product through the following link:

http://www.lookpolymers.com/polymer_EMS-Grivory-Grivory-TS-V0-X-PA666-FR.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ISO 1183
Water Absorption	7.0 %	7.0 %	ISO 62
Moisture Absorption	2.50 %	2.50 %	ISO 62
Linear Mold Shrinkage, Flow	0.0070 cm/cm	0.0070 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
	190 MPa	27600 psi	dry; ISO 2039-1
Tensile Strength at Break	50.0 MPa	7250 psi	conditioned; ISO 527-1/-2
	75.0 MPa	10900 psi	dry; ISO 527-1/-2
Tensile Strength, Yield	40.0 MPa	5800 psi	dry; ISO 527-1/-2
	80.0 MPa	11600 psi	dry; ISO 527-1/-2
Elongation at Break	9.0 %	9.0 %	dry; ISO 527-1/-2
	9.0 %	9.0 %	dry; ISO 527-1/-2
	>= 50 %	>= 50 %	conditioned; ISO 527-1/-2
Elongation at Yield	4.0 %	4.0 %	dry; ISO 527-1/-2
	25 %	25 %	conditioned; ISO 527-1/-2

Mechanical Properties	Metric	English	Comments
	3.80 GPa	551 ksi	dry; ISO 527-1/-2
Charpy Impact Unnotched	9.00 J/cm²	42.8 ft-lb/in²	dry; ISO 179/1eU
	7.50 J/cm²	35.7 ft-lb/in²	dry; ISO 179/1eU
	@Temperature 30.0 °C	@Temperature 86.0 °F	
Charpy Impact, Notched	0.400 J/cm²	1.90 ft-lb/in²	dry; ISO 179/1eA
	0.900 J/cm²	4.28 ft-lb/in²	conditioned; ISO 179/1eA
	0.300 J/cm²	1.43 ft-lb/in²	conditioned; ISO 179/1eU
	@Temperature 30.0 °C	@Temperature 86.0 °F	
	0.350 J/cm²	1.67 ft-lb/in²	dry; ISO 179/1eU
	@Temperature 30.0 °C	@Temperature 86.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	200 °C	392 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	ISO 75-1/-2
Flammability, UL94	V-0	V-0	IEC 60695-11-10
	V-0	V-0	IEC 60695-11-10
	@Thickness 1.50 mm	@Thickness 0.0591 in	

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
Comparative Tracking Index	575 V	575 V	conditioned; IEC 60112

Descriptive Properties	Value	Comments
Automotive	Automotive electr. and electronics, lighting	
Burning Behaviour	VDE	
Electricals & Electronics	Cables & Tubes	

Descriptive Properties	Value	Comments
	Electrical appliances	
	Electrical equipment	
	Energy distribution	
	Lighting	
Form	Granules	
Processing	Injection Molding	
Product Attributes	Improved flowability and demoulding	
Special Characteristics	Flame retardant	

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