

Plastcom SLOVAMID 6 FRC 2 218/1M PA6, flame retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced, Flame Retardant

Material Notes:

Packaging, transport, stocking The product is packed in hermetically closed thick-walled 25 kg PE bags, on a 1.000 kg palette coated in a stretch foil, in big bags with a thick PE foil fixed on a 1.000 kg palette, in paper octabins with a thick PE foil fixed on a 1.000 kg palette or in other packaging according to customer requirements. The transport is provided in closed-up vehicles where the material is protected against movement and mechanical damage. The product requires stocking in closed-up, dry places protected against sun and thermal radiation. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-SLOVAMID-6-FRC-2-2181M-PA6-flame-retardant.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	
Viscosity Measurement	0.87 - 1.24	0.87 - 1.24	
Linear Mold Shrinkage	0.0124 cm/cm	0.0124 in/in	
Linear Mold Shrinkage, Transverse	0.0087 cm/cm	0.0087 in/in	
Melt Flow	10 - 22 g/10 min @Load 0.325 kg, Temperature 270 °C	10 - 22 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	
Elongation at Break	3.0 %	3.0 %	
Tensile Modulus	2.50 GPa	363 ksi	
Flexural Strength	100 MPa	14500 psi	
Flexural Modulus	2.35 GPa	341 ksi	
Charpy Impact Unnotched	8.00 J/cm ² @Temperature -20.0 °C	38.1 ft-lb/in ² @Temperature -4.00 °F	
	9.50 J/cm ² @Temperature 23.0 °C	45.2 ft-lb/in ² @Temperature 73.4 °F	
Charpy Impact, Notched	0.200 J/cm ² @Temperature -20.0 °C	0.952 ft-lb/in ² @Temperature -4.00 °F	
	0.250 J/cm ²	1.19 ft-lb/in ²	

Mechanical Properties	Metric	English	Comments
	@ Temperature 23.0 °C	@ Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	222 °C	432 °F	
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	
Vicat Softening Point	200 °C	392 °F	B
Flammability, UL94	V-0	V-0	
Glow Wire Test	960 °C	1760 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+11 ohm-cm	1.00e+11 ohm-cm	
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	
Comparative Tracking Index	500 V	500 V	

Processing Properties	Metric	English	Comments
Melt Temperature	230 - 250 °C	446 - 482 °F	
Mold Temperature	30.0 - 50.0 °C	86.0 - 122 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.20 %	0.20 %	
Injection Pressure	70.0 - 100 MPa	10200 - 14500 psi	

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