

Plastcom SLOVAMID 6/66 FRc 3 TS PA6/66, flame retardant

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

Material Notes:

FeaturesDetermined for electrotechnical use. Delivered in natural colour. PA 6 + PA 66 alloy for injection moulding with increased flammability resistance, with nonhalogen flame retardant. Excellent flow of the material predetermines it for the manufacturing of complicated small and large surface mouldings. Possible use for products with wall thickness from 0.5 mm. High grade brightness also at coloured types. Delivered in the full RAL colour scale.**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-666-FRc-3-TS-PA666-flame-retardant.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	
Viscosity Measurement	0.75 - 0.87	0.75 - 0.87	
Linear Mold Shrinkage	0.0075 cm/cm	0.0075 in/in	
Linear Mold Shrinkage, Transverse	0.0087 cm/cm	0.0087 in/in	
Melt Flow	10 g/10 min	10 g/10 min	
	@Load 0.325 kg, Temperature 270 °C	@Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	80.0 MPa	11600 psi	
Elongation at Break	6.0 %	6.0 %	
Tensile Modulus	3.65 GPa	529 ksi	
Flexural Strength	125 MPa	18100 psi	
Flexural Modulus	3.30 GPa	479 ksi	
Charpy Impact Unnotched	8.00 J/cm ²	38.1 ft-lb/in ²	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	8.50 J/cm ²	40.4 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	0.300 J/cm ²	1.43 ft-lb/in ²	

Charpy Impact, Notched Mechanical Properties	Metric @ Temperature -20.0 °C	English @ Temperature -4.00 °F	Comments
	0.400 J/cm ²	1.90 ft-lb/in ²	
	@ Temperature 23.0 °C	@ Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	262 °C	504 °F	
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	
Vicat Softening Point	215 °C	419 °F	B
Flammability, UL94	V-0 @ Thickness 0.800 mm	V-0 @ Thickness 0.0315 in	
Glow Wire Test	960 °C	1760 °F	at 3 mm

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	
Dielectric Strength	25.0 kV/mm	635 kV/in	
Comparative Tracking Index	600 V	600 V	

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 280 °C	500 - 536 °F	
Mold Temperature	60.0 - 90.0 °C	140 - 194 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.15 %	0.15 %	
Injection Pressure	70.0 - 100 MPa	10200 - 14500 psi	

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