

Plastcom SLOVAMID 6 HI HV TS PA6 with impact modifier

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Impact Grade

Material Notes:

PA 6 higher viscosity, heat stabilized, impact modified for extrusion and blow molding. Automotive applications as air ducts and fuel filter pipes, fuel and oil containers. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-SLOVAMID-6-HI-HV-TS-PA6-with-impact-modifier.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	STN EN ISO 1183-1
Melt Flow	117 g/10 min @Load 5.00 kg, Temperature 275 °C	117 g/10 min @Load 11.0 lb, Temperature 527 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 MPa	7250 psi	STN EN ISO 527-2
Elongation at Break	6.0 %	6.0 %	STN EN ISO 527-2
Tensile Modulus	1.90 GPa	276 ksi	STN EN ISO 527-2
Flexural Strength	45.0 MPa	6530 psi	STN EN ISO 178
Flexural Modulus	0.750 GPa	109 ksi	STN EN ISO 178
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	STN EN ISO 179
	NB @Temperature -20.0 °C	NB @Temperature -4.00 °F	STN EN ISO 179
Charpy Impact, Notched	2.50 J/cm ² @Temperature -20.0 °C	11.9 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	8.50 J/cm ² @Temperature 23.0 °C	40.4 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	222 °C	432 °F	STN EN 11357-1
Deflection Temperature at 1.8 MPa (264 psi)	44.0 °C	111 °F	STN EN ISO 75-2 (A)
Vicat Softening Point			STN EN ISO 306

Thermal Properties	175 °C Metric	347 °F English	Comments
Flammability, UL94	HB	HB	
Glow Wire Test	650 °C @Thickness 3.00 mm	1200 °F @Thickness 0.118 in	STN EN 60695-2-12

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	STN 34 6460
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	STN 34 6460
Comparative Tracking Index	475 V	475 V	STN EN 60112

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 270 °C	482 - 518 °F	
Drying Temperature	80.0 °C @Time 14400 sec	176 °F @Time 4.00 hour	
Moisture Content	0.15 %	0.15 %	STN EN ISO 3344

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