

Plastcom PLASTAMID® 6 HI PA6 with improved impact strength

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

Material Notes:

PA 6 for injection molding, impacted, modified with thermoplastic elastomer, determined for high impacted moldings also at low temperature. Delivered in natural mode and in the full RAL color scale. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-PLASTAMID-6-HI-PA6-with-improved-impact-strength.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	STN EN ISO 1183-1
Linear Mold Shrinkage	0.0256 cm/cm	0.0256 in/in	STN EN ISO 294-4
Linear Mold Shrinkage, Transverse	0.0253 cm/cm	0.0253 in/in	STN EN ISO 294-4
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 230 °C	8.0 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.0 MPa	4350 psi	STN EN ISO 527-2
Elongation at Break	4.0 %	4.0 %	STN EN ISO 527-2
Tensile Modulus	1.00 GPa	145 ksi	STN EN ISO 527-2
Flexural Strength	40.0 MPa	5800 psi	STN EN ISO 178
Flexural Modulus	1.00 GPa	145 ksi	STN EN ISO 178
Charpy Impact, Notched	7.00 J/cm ² @Temperature 23.0 °C	33.3 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179
	7.00 J/cm ² @Temperature -20.0 °C	33.3 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	STN EN 11357-1
Deflection Temperature at 1.8 MPa (264 psi)	40.0 °C	104 °F	STN EN ISO 75-2 (A)
Vicat Softening Point	100 °C	212 °F	STN EN ISO 306
Flammability, UL94	HB	HB	

Thermal Properties	850 °C Metric	1560 °F English	Comments
	@Thickness 3.00 mm	@Thickness 0.118 in	STN EN ISO 95-2-12

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 270 °C	482 - 518 °F	
Mold Temperature	60.0 - 80.0 °C	140 - 176 °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
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

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