

Plastcom PLASTAMID® 6 BT N 32 B/IM PA6

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

Material Notes:

Basic type PA 6 for injection molding, compounding, for general use. Use: automotive, engineering, electrical and consumer goods industry - electrical tools, fasteners, clamps, hobby tools, toys. Delivered in the 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-BT-N-32-BIM-PA6.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	STN EN ISO 1183-1
Melt Flow	4.0 g/10 min	4.0 g/10 min	STN EN ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	75.0 MPa	10900 psi	STN EN ISO 527-2
Elongation at Break	3.5 %	3.5 %	STN EN ISO 527-2
Tensile Modulus	2.70 GPa	392 ksi	STN EN ISO 527-2
Flexural Strength	85.0 MPa	12300 psi	STN EN ISO 178
Flexural Modulus	2.60 GPa	377 ksi	STN EN ISO 178
Charpy Impact Unnotched	9.00 J/cm ²	42.8 ft-lb/in ²	STN EN ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	NB	NB	STN EN ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.200 J/cm ²	0.952 ft-lb/in ²	STN EN ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.300 J/cm ²	1.43 ft-lb/in ²	STN EN ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	STN EN 11357-1

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 290 °C	500 - 554 °F	
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	
Drying Temperature	80.0 °C	176 °F	
	@Time 14400 sec	@Time 4.00 hour	
Moisture Content	0.25 %	0.25 %	STN EN ISO 3344
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

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