

Plastcom PLASTAMID® 6 BT N 29 B/IM PA6

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

Material Notes:

Basic type PA 6 for injection molding, for general use. Use: automotive, engineering, electrical and consumer-goods industry - electrical tools, fasteners, clamps, hobby tools. 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-29-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	14.5 g/10 min @Load 2.16 kg, Temperature 230 °C	14.5 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

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	2.00 GPa	290 ksi	STN EN ISO 527-2
Flexural Strength	85.0 MPa	12300 psi	STN EN ISO 178
Flexural Modulus	2.00 GPa	290 ksi	STN EN ISO 178
Charpy Impact Unnotched	5.00 J/cm ² @Temperature -20.0 °C	23.8 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	7.00 J/cm ² @Temperature 23.0 °C	33.3 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	0.150 J/cm ² @Temperature 23.0 °C	0.714 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179
	0.150 J/cm ² @Temperature -20.0 °C	0.714 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

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 @Time 14400 sec	176 °F @Time 4.00 hour	
Moisture Content	0.20 %	0.20 %	STN EN ISO 3344
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

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