

Plastcom PLASTAMID® 610 BT N 32 B PA610

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

Material Notes:

Basic type PA610 for injection molding, modified for general use. Use: extrusion, filaments, injection molding. Delivered in the natural color. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-PLASTAMID-610-BT-N-32-B-PA610.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in ³	STN EN ISO 1183-1
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 °C	10 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	3.20 GPa	464 ksi	STN EN ISO 527-2
Flexural Strength	95.0 MPa	13800 psi	STN EN ISO 178
Flexural Modulus	1.77 GPa	257 ksi	STN EN ISO 178
Charpy Impact Unnotched	7.00 J/cm ² @Temperature -20.0 °C	33.3 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	8.00 J/cm ² @Temperature 23.0 °C	38.1 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	0.270 J/cm ² @Temperature -20.0 °C	1.28 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	0.400 J/cm ² @Temperature 23.0 °C	1.90 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	215 °C	419 °F	STN EN 11357-1

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	240 - 260 °C Metric	464 - 500 °F English	Comments
Drying Temperature	80.0 °C @Time 14400 sec	176 °F @Time 4.00 hour	
Moisture Content	0.25 %	0.25 %	STN EN ISO 3344

Descriptive Properties	Value	Comments
Color	Natural	

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