

Plastcom PLASTAMID® 6 BT N 32 B PA6

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

Material Notes:

Basic type PA 6 for compounding, for general use. 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-B-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 @Load 2.16 kg, Temperature 230 °C | 4.0 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 | 2.70 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 | 8.50 J/cm ² @Temperature 23.0 °C | 40.4 ft-lb/in ² @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 | 0.200 J/cm ² @Temperature -20.0 °C | 0.952 ft-lb/in ² @Temperature -4.00 °F | STN EN ISO 179 |
| | 0.300 J/cm ² @Temperature 23.0 °C | 1.43 ft-lb/in ² @Temperature 73.4 °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 Processing Properties | 260 - 290 °C Metric | 500 - 554 °F English | Comments |
|---|----------------------------|---------------------------|-----------------|
| 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 | 0.25 % | 0.25 % | STN EN ISO 3344 |
| Injection Pressure | 70.0 - 120 MPa | 10200 - 17400 psi | |

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