

## Plastcom PLASTAMID® 6 BT B 27 PA6

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

### Material Notes:

Basic type PA 6 for compounding, for general use. Grade can contain PA 66 up to 5% and TiO2 content up to 0.25 %. Use: automotive, engineering, electrical and consumer-goods industry Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plastcom-PLASTAMID-6-BT-B-27-PA6.php](http://www.lookpolymers.com/polymer_Plastcom-PLASTAMID-6-BT-B-27-PA6.php)

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in <sup>3</sup>	STN EN ISO 1183-1
Melt Flow	4.0 g/10 min @Load 0.325 kg, Temperature 275 °C	4.0 g/10 min @Load 0.716 lb, Temperature 527 °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	2.5 %	2.5 %	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	2.00 GPa	290 ksi	STN EN ISO 178
Charpy Impact Unnotched	6.50 J/cm <sup>2</sup> @Temperature -20.0 °C	30.9 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	STN EN ISO 179
	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	0.150 J/cm <sup>2</sup> @Temperature 23.0 °C	0.714 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	STN EN ISO 179
	0.150 J/cm <sup>2</sup> @Temperature -20.0 °C	0.714 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	222 °C	432 °F	STN EN 11357-1

Component Elements Properties	Metric	English	Comments
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Component Elements Properties	Metric	English	Comments
<b>Processing Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Melt Temperature	260 - 280 °C	500 - 536 °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	0.25 %	0.25 %	STN EN ISO 3344
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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