

## Plastcom PLASTAMID® 6 BT PA6

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

### Material Notes:

Basic type PA 6 for compounding, modified for general use. Use: automotive, engineering, electrical and consumer-goods industry.

Delivered in natural as well as 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-PA6.php](http://www.lookpolymers.com/polymer_Plastcom-PLASTAMID-6-BT-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 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	2.50 GPa	363 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	8.00 J/cm <sup>2</sup> @Temperature -20.0 °C	38.1 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	STN EN ISO 179
	8.50 J/cm <sup>2</sup> @Temperature 23.0 °C	40.4 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	0.200 J/cm <sup>2</sup> @Temperature -20.0 °C	0.952 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	STN EN ISO 179
	0.250 J/cm <sup>2</sup> @Temperature 23.0 °C	1.19 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	STN EN ISO 179

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

Processing Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Melt Temperature Processing Properties	250 - 270 °C Metric	482 - 518 °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	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China