

Plastcom PLASTAMID® 66 BT B 27 TS PA66 heat stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Heat Stabilized

Material Notes:

Basic type PA66 for injection molding, heat stabilized, modified for general use, with excellent manufacturing properties. Use: automotive, engineering, electrical and consumer-goods industry - electrical tools, fasteners, clamps, hobby tools, toys. Delivered in the black mode. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-PLASTAMID-66-BT-B-27-TS-PA66-heat-stabilized.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	STN EN ISO 1183-1
Linear Mold Shrinkage	0.018 cm/cm	0.018 in/in	STN EN ISO 294-4
Linear Mold Shrinkage, Transverse	0.019 cm/cm	0.019 in/in	STN EN ISO 294-4
Melt Flow	5.0 g/10 min @Load 0.325 kg, Temperature 275 °C	5.0 g/10 min @Load 0.716 lb, Temperature 527 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	STN EN ISO 527-2
Elongation at Break	3.5 %	3.5 %	STN EN ISO 527-2
Tensile Modulus	3.50 GPa	508 ksi	STN EN ISO 527-2
Flexural Strength	95.0 MPa	13800 psi	STN EN ISO 178
Flexural Modulus	2.90 GPa	421 ksi	STN EN ISO 178
Charpy Impact Unnotched	NB	NB	STN EN ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Notched	NB	NB	STN EN ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact, Notched	0.350 J/cm ²	1.67 ft-lb/in ²	STN EN ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.350 J/cm ²	1.67 ft-lb/in ²	STN EN ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	

Thermal Properties	Metric	English	Comments
--------------------	--------	---------	----------

Melting Point Thermal Properties	260 °C Metric	500 °F English	STN EN 11357-1 Comments
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	STN EN ISO 75-2 (A)
Vicat Softening Point	250 °C	482 °F	STN EN ISO 306
Flammability, UL94	V-2 @Thickness 3.20 mm	V-2 @Thickness 0.126 in	
Glow Wire Test	960 °C @Thickness 3.00 mm	1760 °F @Thickness 0.118 in	STN EN 60695-2-12

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 260 °C	464 - 500 °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	

Descriptive Properties	Value	Comments
Color	Black	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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