

# Novalloy-B B27B6

Acrylonitrile Butadiene Styrene + PBT

PlastxWorld Inc.

Message:

Novalloy-B B27B6 is an Acrylonitrile Butadiene Styrene + PBT (ABS+PBT) product filled with 30% glass fiber. It can be processed by injection molding and is available in North America.

Characteristics include:

- Flame Rated
- Good Aesthetics
- Heat Resistant

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Surface Finish		
	High Heat Resistance		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	8140	MPa	ASTM D790
Flexural Strength	167	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	190	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (ALL)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	82.2 to 121	°C	
Drying Time	3.0 to 5.0	hr	
Rear Temperature	220 to 230	°C	
Middle Temperature	240 to 270	°C	
Front Temperature	255 to 270	°C	
Processing (Melt) Temp	250 to 270	°C	
Mold Temperature	60.0 to 80.0	°C	
Injection Rate	Moderate-Fast		
Back Pressure	0.483 to 1.45	MPa	
Screw Speed	50 to 100	rpm	

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Recommended distributors for this material

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