

Novalloy-B B50B3

Acrylonitrile Butadiene Styrene + PBT

Daicel Polymer Ltd.

Message:

Novalloy-B B50B3 is an Acrylonitrile Butadiene Styrene + PBT (ABS+PBT) material filled with 15% glass fiber. It is available in Asia Pacific. Primary attribute of Novalloy-B B50B3: Flame Rated.

General Information			
UL YellowCard	E47773-239650		
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	1.46	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	80.0	MPa	ISO 527-2
Flexural Modulus	5000	MPa	ISO 178
Flexural Stress	125	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	210	°C	ISO 75-2/B
1.8 MPa, Unannealed	160	°C	ISO 75-2/A
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm)	V-0	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 120	°C	
Drying Time	3.0 to 5.0	hr	
Rear Temperature	200 to 220	°C	
Middle Temperature	230 to 250	°C	
Front Temperature	250 to 260	°C	
Nozzle Temperature	230 to 250	°C	
Mold Temperature	80.0 to 100	°C	
Back Pressure	5.00 to 20.0	MPa	
Screw Speed	50 to 100	rpm	

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