

Novalloy-B B4750

Acrylonitrile Butadiene Styrene + PBT

PlastxWorld Inc.

Message:

Novalloy-B B4750 is an Acrylonitrile Butadiene Styrene + PBT (ABS+PBT) product. It can be processed by injection molding and is available in North America.

Characteristics include:

Flame Rated

Flame Retardant

Heat Resistant

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	High Heat Resistance		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	44.8	MPa	ASTM D638
Tensile Elongation (Break)	12	%	ASTM D638
Flexural Modulus	2550	MPa	ASTM D790
Flexural Strength	73.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.35 mm	130	°C	
1.8 MPa, Unannealed, 6.35 mm	90.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm, ALL)	V-0		UL 94
Injection	Nominal Value	Unit	
Rear Temperature	190 to 210	°C	
Middle Temperature	220 to 240	°C	
Front Temperature	240 to 250	°C	
Nozzle Temperature	230 to 250	°C	
Processing (Melt) Temp	241 to 260	°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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