Novalloy-B B6508

Acrylonitrile Butadiene Styrene + PBT

PlastxWorld Inc.

Message:

Novalloy-B B6508 is an Acrylonitrile Butadiene Styrene + PBT (ABS+PBT) product filled with 40% mineral. It can be processed by coating or injection molding and is available in North America. Applications of Novalloy-B B6508 include electrical/electronic applications, business/office goods, coating applications and housings.
Characteristics include:
Flame Rated
Chemical Resistant
Flame Retardant
Wear Resistant
Good Adhesion

General Information	
Filler / Reinforcement	Mineral,40% Filler by Weight
Additive	Flame Retardant
Features	Flame Retardant
	Good Abrasion Resistance
	Good Adhesion
	Good Chemical Resistance
	Good Dimensional Stability
	Good Flow
	Good Moldability
	Good Toughness
	Good Wear Resistance
	High Heat Resistance
	High Rigidity
	High Strength
	Oil Resistant
	Warp Resistant
Uses	Business Equipment
	Coating Applications
	Computer Components
	Connectors
	Electrical Parts
	Housings
Appearance	Black
	Colors Available
	Natural Color

Forms	Pellets
Processing Method	Coating
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.61	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.45	%	ASTM D955
Water Absorption (24 hr)	0.15	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	108	MPa	ASTM D638
Tensile Elongation (Break)	1.3	%	ASTM D638
Flexural Modulus	11700	MPa	ASTM D790
Flexural Strength	147	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.18 mm)	69	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.35 mm	205	°C	
1.8 MPa, Unannealed, 6.35 mm	155	°C	
CLTE - Flow	5.5E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength	20	kV/mm	ASTM D149
Dielectric Constant (100 Hz)	3.90		ASTM D150
Dissipation Factor (100 Hz)	8.0E-3		ASTM D150
Arc Resistance (3.18 mm)	76.0	sec	ASTM D495
Comparative Tracking Index (CTI) (3.18 mm)	260	V	UL 746
High Amp Arc Ignition (HAI)			UL 746
1.59 mm	26.0		
3.18 mm	17.0		
High Voltage Arc Tracking Rate (HVTR) (3.18 mm)	165	mm/min	UL 746
Hot-wire Ignition (HWI)			UL 746
1.59 mm	34	sec	
3.18 mm	48	sec	
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.60 mm, ALL)	V-0		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	82.2 to 121	°C	
Drying Time	3.0 to 5.0	hr	
Processing (Melt) Temp	241 to 260	°C	
Mold Temperature	60.0 to 80.0	°C	

Back Pressure	0.483 to 1.45	MPa
Screw Speed	50 to 100	rpm

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China