

Novalloy-B B1500, B1500F

Acrylonitrile Butadiene Styrene + PBT

Daicel Polymer Ltd.

Message:

Novalloy-B B1500, B1500F is an Acrylonitrile Butadiene Styrene + PBT (ABS+PBT) material. It is available in Asia Pacific. Primary attribute of Novalloy-B B1500, B1500F: Flame Rated.

General Information			
UL YellowCard	E47773-239615		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.70 to 0.90	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.15	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	42.0	MPa	ISO 527-2
Flexural Modulus	2200	MPa	ISO 178
Flexural Stress	67.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C, 6.40 mm)	30	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 6.40 mm	100	°C	ASTM D648
0.45 MPa, Unannealed	100	°C	ISO 75-2/B
1.8 MPa, Unannealed, 6.40 mm	90.0	°C	ASTM D648
1.8 MPa, Unannealed	80.0	°C	ISO 75-2/A
CLTE - Flow	1.0E-4	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (1.50 mm)	31	kV/mm	ASTM D149
Arc Resistance (3.00 mm)	101	sec	ASTM D495
Arc Resistance (3.00 mm)	PLC 6		ASTM D495
Comparative Tracking Index (CTI) (3.00 mm)	PLC 0		UL 746
Comparative Tracking Index (3.00 mm)	600	V	IEC 60112
High Amp Arc Ignition (HAI) (1.50 mm)	150		UL 746
High Amp Arc Ignition (HAI) (1.50 mm)	PLC 0		UL 746
High Voltage Arc Tracking Rate (HVTR) (3.00 mm)	17.0	mm/min	UL 746
High Voltage Arc Tracking Rate (HVTR) (3.00 mm)	PLC 1		UL 746
Hot-wire Ignition (HWI) (1.50 mm)	13	sec	UL 746

Hot-wire Ignition (HWI) (1.50 mm)	PLC 4		UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 120	°C	
Drying Time	3.0 to 5.0	hr	
Rear Temperature	190 to 230	°C	
Middle Temperature	220 to 240	°C	
Front Temperature	240 to 250	°C	
Nozzle Temperature	230 to 250	°C	
Mold Temperature	60.0 to 80.0	°C	
Back Pressure	5.00 to 20.0	MPa	
Screw Speed	50 to 90	rpm	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT