

Epiall® 1961B-1

Epoxy; Epoxide

Sumitomo Bakelite North America, Inc.

Message:

Epiall 1961B-1 is a short glass fiber and mineral filled epoxy molding compound with excellent dimensional stability, good strength properties, and good electrical insulation properties.

General Information			
Filler / Reinforcement	Glass Fiber		
	Mineral		
Features	Electrically Insulating		
	Good Dimensional Stability		
	Good Strength		
Appearance	Black		
	Blue		
	Red		
Forms	Granules		
Processing Method	Injection Molding		
	Resin Transfer Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.90	g/cm ³	ASTM D792
Apparent Density	0.90	g/cm ³	ASTM D1895
Molding Shrinkage - Flow	0.20 to 0.40	%	ASTM D955
Water Absorption - 48 hr (50°C)	0.20	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	66		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	90.0	MPa	ASTM D638
Flexural Modulus	16000	MPa	ASTM D790
Flexural Strength (Break)	150	MPa	ASTM D790
Compressive Strength	240	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	35	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	260	°C	ASTM D648
CLTE			ASTM E831

Flow	1.6E-5	cm/cm/°C	
Transverse	3.2E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength ¹			ASTM D149
-- ²	14	kV/mm	
-- ³	13	kV/mm	
Dielectric Constant ⁴ (1 MHz)	3.80		ASTM D150
Dissipation Factor ⁵ (1 MHz)	0.014		ASTM D150
Arc Resistance	180	sec	ASTM D495
NOTE			
1.	60 Hz, Wet		
2.	Method A (Short-Time)		
3.	Method B (Step-by-Step)		
4.	Wet		
5.	Wet		

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

