Epiall® 2061B-1

Epoxy; Epoxide

Sumitomo Bakelite North America, Inc.

Message:

Epiall 2061B-1 is a fiberglass and mineral reinforced epoxy molding compound, with excellent dimensional stability, good electrical insulation properties, and good strength.

General Information	
UL YellowCard	E123472-100085723
Filler / Reinforcement	Glass Fiber Mineral
Features	Electrically Insulating Good Dimensional Stability Good Strength
Appearance	Black
Forms	Granules
Processing Method	Compression Molding Resin Transfer Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.90	g/cm³	ASTM D792
Apparent Density	0.80	g/cm³	ASTM D1895
Molding Shrinkage - Flow (Compression Molded)	0.30 to 0.50	%	ASTM D955
Water Absorption - 48 hr (50°C)	0.20	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Barcol Hardness	70		ASTM D2583
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break, Compression Molded)	90.0	MPa	ASTM D638
Flexural Modulus (Compression Molded)	15900	MPa	ASTM D790
Flexural Strength (Break)	138	MPa	ASTM D790
Compressive Strength	230	MPa	ASTM D695
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (Compression Molded)	37	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed, Compression Molded)	165	°C	ASTM D648
CLTE			ASTM E831

Flow [1]	1.9E-5	cm/cm/°C	
Flow [2]	2.9E-5	cm/cm/°C	
Transverse [3]	2.6E-5	cm/cm/°C	
Transverse [4]	4.1E-5	cm/cm/°C	
RTI Elec	130	°C	UL 746
RTI Imp	130	°C	UL 746
RTI Str	130	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength [5]			ASTM D149
-- [6]	14	kV/mm	
-- [7]	13	kV/mm	
Dielectric Constant [8] (1 MHz)	3.80		ASTM D2520
Dissipation Factor [9] (1 MHz)	0.016		ASTM D150
Arc Resistance	180	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94

NOTE	
1.	Post Baked
2.	As Molded
3.	Post Baked
4.	As Molded
5.	Wet, 60 Hz
6.	Method A (Short-Time)
7.	Method B (Step-by-Step)
8.	Wet
9.	Wet

Recommended distributors for this material

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