

IDI BMC 6060D

Thermoset, Unspecified

IDI Composites International

Message:

PRODUCT SERIES: 6000 SERIES BMC
PRODUCT DESCRIPTION: HIGH STRENGTH UL YELLOW CARD
These high strength BMC composites are suitable for use in electrical applications requiring materials that possesses dielectric properties and flammability performance from UL94 HB, V-0 & 5VA. These materials can be found in Underwriters Laboratory file E53587.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Flame Retardant		
	High Strength		
Uses	Electrical/Electronic Applications		
UL File Number	E53587		
Forms	BMC - Bulk Molding Compound		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80 to 1.90	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.0 to 0.30	%	ASTM D955
Water Absorption (24 hr)	0.10 to 0.30	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	44.8	MPa	ASTM D638
Flexural Modulus	11000	MPa	ASTM D790
Flexural Strength	124	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	800	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	204	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength ¹	12	kV/mm	ASTM D149
Arc Resistance	200	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (2.20 mm)	V-0		UL 94
NOTE			

1. Method A (Short-Time)

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