

# IDI BMC B51 Series 46-12

Thermoset, Unspecified

IDI Composites International

## Message:

PRODUCT SERIES: B51 SERIES BMC

PRODUCT DESCRIPTION: ELECTRICAL GRADE

These materials are suitable for use in applications requiring superior colorfastness & physical property retention upon exposure to UV and visible light

General Information			
Features	Good UV Resistance		
Uses	Electrical/Electronic Applications		
Forms	BMC - Bulk Molding Compound		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.78	g/cm <sup>3</sup>	ASTM D792
Bulk Factor	2.0		ASTM D1895
Molding Shrinkage	0.10 to 0.30	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.15	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	30 to 50		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	48.3 to 62.1	MPa	ASTM D638
Flexural Modulus	13800	MPa	ASTM D790
Flexural Strength	131 to 152	MPa	ASTM D790
Compressive Strength	159	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	430 to 530	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 260	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	11	kV/mm	ASTM D149
Arc Resistance	> 180	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94

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Recommended distributors for this material

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