

# IDI BMC B51 Series 48-50

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	1.93	g/cm <sup>3</sup>	ASTM D792
Bulk Factor	1.0		ASTM D1895
Molding Shrinkage	0.10 to 0.30	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.11	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	40 to 50		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	41.4	MPa	ASTM D638
Flexural Modulus	13800	MPa	ASTM D790
Flexural Strength	96.5 to 110	MPa	ASTM D790
Compressive Strength	165	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	210 to 270	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	12	kV/mm	ASTM D149
Arc Resistance	190	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	V-0		
3.00 mm	V-0		

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Recommended distributors for this material

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