

Wah Hong BMC BUG-3101C Optical

Thermoset, Unspecified

Wah Hong Industrial Corp.

Message:

BMC material for parts needs optical design, like Automobile Headlamp Reflector & Optical engine chassis for LCD Projector. Optical Grade BMC with high heat resistance, Good dimensional stability, low linear expansion coefficient, and smooth surface property. Suitable for metal plating, and easy for optical design.

General Information			
Features	Good Dimensional Stability		
	Good Surface Finish		
	High Heat Resistance		
Uses	LCD Applications		
	Optical Applications		
	Reflectors		
Forms	BMC - Bulk Molding Compound		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.91 to 1.97	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.050 to 0.11	%	ASTM D955
Water Absorption (24 hr)	< 0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	10800 to 14700	MPa	ASTM D790
Flexural Strength	108 to 147	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	> 200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 200	°C	ASTM D648
Melting Temperature	125	°C	DSC
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Additional Information	Nominal Value	Unit	
Cure Time (140°C)	44.0 to 54.0	sec	

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Recommended distributors for this material

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