

# Wah Hong BMC 4122C

Thermoset, Unspecified

Wah Hong Industrial Corp.

## Message:

BMC material for all kinds of electric and electronic parts, like Breaker, Non-Fuse Switches, and Oven parts. Electric BMC with UL94 V-0, good creep resistance, good mechanical strength and electrical property.

General Information			
Filler / Reinforcement	Filler		
Features	Good Creep Resistance		
	Good Electrical Properties		
	Good Strength		
Uses	Electrical Parts		
	Electrical/Electronic Applications		
	Switches		
Forms	BMC - Bulk Molding Compound		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.84 to 1.98	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.020 to 0.050	%	ASTM D955
Water Absorption (24 hr)	< 0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	29.4 to 49.0	MPa	ASTM D638
Flexural Modulus	13700 to 17700	MPa	ASTM D790
Flexural Strength	108 to 147	MPa	ASTM D790
Compressive Strength	137 to 157	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	270 to 370	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 200	°C	ASTM D648
Melting Temperature	116	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Arc Resistance	> 180	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Additional Information	Nominal Value	Unit	
Cure Time (140°C)	40.0 to 50.0	sec	

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#### Recommended distributors for this material

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