

BMC 1412

BMC 1412 molding compound is a mineral filled, Glass fiber reinforced Polyester BMC suitable for circuit breakers, power tool housings, crossbars and appliance parts. UL listed as 1412*#. *# denotes may be followed by an additional suffix letters indicating color.

HEALTH AND SAFETY INFORMATION

Direct contact with this material may cause minimal eye and skin irritation. Wash thoroughly after handling. For detailed handling instructions refer to the BMC, Inc. Material Safety Data Sheet (MSDS) for this product.

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TYPICAL PROPERTIES

Molding

Temperature, °C	130~180
Mold shrinkage, %	0.15~0.30
Specific gravity, g/cm ³	1.70~1.90

Mechanical-Physical (Tested by in-house ISO compression molding bars, average of 10 testing bars data)

Flexural strength, MPa	125~165
Tensile strength, MPa	40~60
Impact strength, notched Izod, kJ/m ²	30~50
Barcol hardness	35~55

Electrical

Dielectric Strength, kV/mm	12+
Arc resistance, sec	180+
Comparative Tracking Index, volts	500+

Thermal

Heat distortion temperature, °C	200+
UL RTI, °C	160
UL Flame resistance 1.5 mm, Color: All	V-0
UL File	E69414

**Above test values may be affected by the molding process

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