

BMC 400

BMC 400 is a high strength, low shrink molding compound. It can be supplied in bulk or extruded in pre-weighted slugs. Typical applications are circuit breakers, insulators, and power tool housings.

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.

IMPORTANT NOTICE

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TYPICAL PROPERTIES

Molding

Temperature ° F	280-330
Mold shrinkage, mil / in	.001-.003
Specific gravity, molded	1.75 – 1.95

Mechanical-Physical

Flexural strength, psi	14 -20,000
Flexural Modulus, 10 ⁶ psi	1.7 - 1.9
Compressive strength, psi	18 - 23,000
Tensile strength, psi	5 - 8,000
Impact strength, notched Izod, ft -lb/in	3 - 8
Water absorption, 24 hours, 23 ° C,	.12 - .20
Barcol hardness	40-50

Electrical

Arc resistance, sec	>180
Comparative Tracking Index, volts	500+
Dielectric Strength, short time, volts/mil	350-400

Thermal

Heat Deflection Temperature, 264 psi, ° F	>500
Flammability	UL 94 V0/5V



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