

BMC 1412

BMC 1412 is an extremely versatile material. Flame and track resistant, low shrink for close dimensional control and surface smoothness, high physical properties. Developed for injection molding, but also suitable for compression or transfer applications. BMC 1412 is approved for Mil specifications, MAI-30, MAI-60 and MAT-30. UL[®] recognized. This material was formerly known as Glastic[®] 1412.

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	1.75-1.80

Mechanical-Physical

Flexural strength, psi	23-25,000
Flexural Modulus, 10 ⁶ psi	1.9-2.0
Compressive strength, psi	24-26,000
Tensile strength, psi	6-7,000
Impact strength, notched Izod, ft-lb/in	8-9
Water absorption, 24 hours, 23°C,	0.12-.18
Barcol Hardness	40-50

Electrical

Arc Resistance, sec	192
Dissipation Factor, 60Hz Condition A	0.018
60Hz Condition D	0.039
1MHz Condition A	0.023
1MHz Condition D	0.152
Dielectric strength, short time, volts/mil	490

Thermal

Heat Deflection Temperature, 264 psi, °F	>500
Flammability	UL 94 V-0
RTI °C	160



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