



## BMC1010

**Product Name: BMC1010**

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Version: 7

### Product description:

BMC1010 is bulk molding compound based on unsaturated polyester resin reinforced with glass fibers and mineral fillers. It is a Class A grade that is commonly used for head lamp reflectors and other applications demanding good surface smoothness without any waviness such as head lamp housing for household and office lighting equipments. These compounds mould to parts with excellent surface quality and due to its high temperature resistance and good dimensional stability as well as low coefficient expansion, complex shapes and good reflective properties could be easily achieved.

The other advantages such as low to zero shrinkage, coefficient of expansion similar to metals and highly insulating properties are available.

The product is high temperature medium pressure compression molded and it is recommended to work with Chrome plate tools. The product contains no halogens or heavy metals.

### Physical Properties:

Properties	Range	Unit	TM
Density	1.9±0.1	g/cm <sup>3</sup>	ISO 1183
Glass fiber content	14±2	%	ISO 1172
Flexural Strength	50	MPa	ASTM D790
Flexural Modulus	8000	MPa	ASTM D790
Impact Strength	12	KJ/m <sup>2</sup>	ISO 179
Tensile Strength	20	MPa	ASTM D638
HDT	>200	°C	ASTMD648
Water Absorption	<50	mg/1Day	ASTM D570
Curing Time	35	Sec/mm	-
Molding Temperature	140-160	°C	-
Molding Pressure	80-100	Bar	-
Shrinkage	0.00±0.03	%	DIN 53464
Color	none	RAL	

### Form of supply:

BMC 1010 is packed in styrene tight poly amide 10 kilograms bags and placed in cardboard or wooden boxes. Various kind of packaging is available. For further details, call our technical service team.

### Storage:

Recommended storage temperature is between 10-20 °C and the product should be kept away from direct sunlight.

### Contact information

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