



## Material Technical Data Sheet-BMC 2400

ARVIN product category: MRF172050SM

**Product Description:** BMC-2400 materials are based on U.P resin reinforced by glass Fibers and recommended for injection and compression moldings. BMC-2400 has high dimensional stability at high temperature also provide complex shapes and surface properties. Moreover, it is prepared for electrical components and general applications. It is noteworthy to mention that the shelf life duration of BMC materials is up to **4 months** below **20°C**.

### Chemical data:

<b>Resin</b>	U.P- no halogen – highly reactive
<b>Glass Fiber</b>	E-glass
<b>Molding temp.</b>	155-165°C
<b>Molding time</b>	50-100 Sec. depends on molding shape



Industrial

### Physical data:

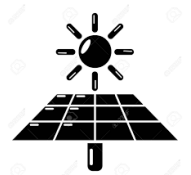
<b>Density (ISO 1183)</b>	1.75-1.85	gr / cm <sup>3</sup>
<b>Shrinkage (ISO 2577)</b>	0.03	%
<b>HDT (ISO 75)</b>	>160	°C
<b>T.g (ASTM D7028)</b>	>200	°C
<b>Service Temp.</b>	190	°C
<b>Tensile strength (ISO R3268)</b>	32	MPa
<b>Impact strength (ISO 179)</b>	28	KJ/m <sup>2</sup>
<b>Young Modulus (ISO 178)</b>	12	GPa
<b>Flexural strength (ISO 178)</b>	80	MPa
<b>Water Absorption (ISO 62)</b>	0.1	%
<b>Fire resistance (UL 94)</b>	V-0	UL 94
<b>Di-Electric (IEC 60243)</b>	>25	KV/mm
<b>Glow Wire (IEC 60707)</b>	850	°C



Electrical



Automotive



Energy