



Material Technical Data Sheet-BMC 2215

ARVIN product category: MRF110870S-R

Product Description: **BMC-2215** materials are based on U.P resin reinforced by glass Fibers and recommended for injection and compression moldings. BMC-2215 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:

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



Industrial

Physical data:

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



Electrical



Automotive



Energy