



Material Technical Data Sheet-SMC 1010

ARVIN product category: MRF203135S

Product Description: SMC-1010 materials are based on U.P resin reinforced by glass Fibers and recommended for compression moldings. SMC 1010 has high tensile strength and good electrical properties. Moreover, it is prepared for electrical components and general applications.

Chemical data:

Resin	U.P- no halogen – highly reactive
Glass Fiber	E-glass (30% of total weight)
Molding temp.	145-165°C
Molding time	50-900 Sec. depends on molding shape



Industrial

Physical data:

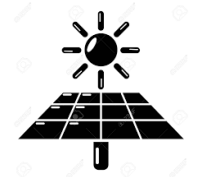
Density (ISO 1183)	1.75-1.85	gr / cm ³
Shrinkage (ISO 2577)	0.03	%
HDT (ISO 75)	>160	°C
T.g (ASTM D7028)	>200	°C
Service Temp.	190	°C
Tensile strength (ISO R3268)	130	MPa
Young Modulus (ISO 178)	10	GPa
Flexural strength (ISO 178)	180	MPa
Water Absorption (ISO 62)	0.1	%
Di-Electric (IEC 60243)	>25	KV/mm
Glow Wire (IEC 60707)	850	°C



Electrical



Automotive



Energy