


Product Family :
IDIPaint - Sheet Molding Compound (SMC)
Product Description :
The material is a composite based on thermosetting resin, mineral filler and reinforced with fibers

Material properties		Top Class A	Top Class A	Class B
Aspect	Color	Gray	Natural	Natural
Physical	Density <i>ISO 1183 (g/cm³)</i>	1.8	1.9	1.8
	Shrinkage <i>ISO 2577 (%)</i>	-0.08	-0.06	-0.08
	Glass fibers content <i>%</i>	25	28	27
Mechanical	Flexural strength <i>EN ISO 14125 (MPa)</i>	150	180	180
	Flexural modulus <i>EN ISO 14125 (MPa)</i>	8200	9100	10500
	Charpy impact resistance <i>EN ISO 179 (kJ/m²)</i>	75	90	80
	Heat distortion temperature <i>EN ISO 75-2 (°C)</i>	>200	>200	>200
Electrical	Surface resistivity <i>CEI 60093 (Ohm/square)</i>	>1.10E6	>1.10E14	>1.10E14
Fire resistance	Fire resistance <i>FMVSS 302 - ISO 3795 (mm/min)</i>	<100	<100	<100
Others	Water absorption <i>ISO 62 method 1</i>	<0.5	<0.5	<0.5

The information on this sheet is a guide. The stated values reflect an average of several tests conducted on IDI CI Europe's goods. These values were obtained under ideal conditions and may not be replicated in any particular test, part, or application. Because the values achieved in actual parts depend considerably on part design, molding conditions, and testing methods, no guarantee is made or implied regarding values to be obtained in any specific test, part, or application. IDI CI Europe makes no warranty or representation as the suitability of any of its goods for use in any application. IDI CI Europe relies on customer to conduct its own tests and judge for itself the suitability of IDI CI Europe's goods.