

PRODUCT DESCRIPTION :
SMC with high mechanical performances

Material properties		Fortium			
		Standard	HP	UD	Tissu
Aesthetic	Color	Toutes			
Physical	Density <i>ISO 1183 (g/cm³)</i>	1.9	1.8	1.9	1.97
	Shrinkage <i>ISO 2577 (%)</i>	0.01	0.06	-0.02 +0.07	0.06
Mechanical	Flexural strength <i>EN ISO 14125 (MPa)</i>	380	410	630 - 240	600
	Flexural modulus <i>EN ISO 14125 (MPa)</i>	16 200	14 600	25 700 - 13 900	24 000
	Tensile strength <i>EN ISO 527-4 (MPa)</i>	200	190	400 - 140	360
	Tensile Modulus <i>EN ISO 527-4 (MPa)</i>	16 400	14 200	24 700 - 14 200	25 000
	Charpy Impact <i>EN ISO 179 (kJ/m²)</i>	150	160	270 - 130	180
Electrical	Surface resistivity <i>CEI 60093 (Ohm/carré)</i>	>1.10E14			
Fire retardancy	Flammability <i>FMVSS 302 (mm/min)</i>	<100			
Other	Water absorption <i>ISO 62 méthode 1</i>	<0.5			

The information on this sheet is a guide. The stated values reflect an average of several tests conducted on IDI Composites 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 Composites Europe makes no warranty or representation as to the suitability of any of its goods for use in any application. IDI Composites Europe relies on customer to conduct its own tests and judge for itself the suitability of IDI Composites Europe's goods.

01-2024