

PRODUCT DESCRIPTION :
SMC for vehicle body panel application

Material properties		Alluralite			
		Class A		Class B	
Aesthetic	Color	Natural - slight color		Natural - slight color	
Physical	Density <i>ISO 1183 (g/cm³)</i>	1.45	1.8	1.5	1.85
	Shrinkage <i>ISO 2577 (%)</i>	-0.06	-0.05	-0.05	0.02
Mechanical	Flexural strength <i>EN ISO 14125 (MPa)</i>	155	185	160	165
	Flexural modulus <i>EN ISO 14125 (MPa)</i>	8 000	8 000	8 300	10 000
	Tensile strength <i>EN ISO 527-4 (MPa)</i>	60	75	60	70
	Tensile Modulus <i>EN ISO 527-4 (MPa)</i>	6 300	7 500	6 400	7 000
	Charpy Impact <i>EN ISO 179 (kJ/m²)</i>	50	80	80	80
Electrical	Surface resistivity <i>CEI 60093 (Ohm/carré)</i>	>1.10E14		>1.10E14	
Fire retardancy	Flammability <i>FMVSS 302 (mm/min)</i>	<100		<100	
Other	Water absorption <i>ISO 62 méthode 1</i>	<0.5		<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.

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