

PRODUCT DESCRIPTION : **SMC with fire retardancy (Halogen free) for electrical vehicle application**

Material properties		Flamevex SMC		
		FV227	FV330	FV427
Aesthetic	Color	All	All	Natural
Physical	Density <i>ISO 1183 (g/cm³)</i>	1.8	1.8	1.9
	Shrinkage <i>ISO 2577 (%)</i>	0.01	0.06	0.05
Mechanical	Flexural strength <i>EN ISO 14125 (MPa)</i>	220	260	270
	Flexural modulus <i>EN ISO 14125 (MPa)</i>	11 500	10 500	15 500
	Tensile strength <i>EN ISO 527-4 (MPa)</i>	85	80	88
	Tensile Modulus <i>EN ISO 527-4 (MPa)</i>	10 000	10 000	11 100
Fire retardancy	According to UL level <i>UL 94 VO (non official)</i>	2.8 mm	2 mm	1.5 mm
Other	Water absorption <i>ISO 62 méthode 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 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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