



**Product Family :**

**IDIBoxElec - Sheet Molding Compound (SMC)**

**Product Description :**

**The material is a composite based on thermosetting resin, mineral filler and reinforced with fibers**

Material properties		15LS15000	25LS14000
<b>Aspect</b>	Color	RAL 7035	IVORY
<b>Physical</b>	Density <i>ISO 1183 (g/cm<sup>3</sup>)</i>	1.75	1.75
	Shrinkage <i>ISO 2577 (%)</i>	0.12	0.08
	Glass fibers content <i>%</i>	25	25
<b>Mechanical</b>	Flexural strength <i>EN ISO 14125 (MPa)</i>	170	185
	Flexural modulus <i>EN ISO 14125 (MPa)</i>	12000	11000
	Charpy impact resistance <i>EN ISO 179 (kJ/m<sup>2</sup>)</i>	80	90
	Heat distortion temperature <i>EN ISO 75-2 (°C)</i>	>200	>200
<b>Electrical</b>	Surface resistivity <i>CEI 60093 (Ohm/square)</i>	>1.10E14	>1.10E14
<b>Fire resistance</b>	Hot glow wire <i>CEI 60695-2-12</i>	960°C 3mm	-
	Limit oxygen index <i>EN ISO 4589-2 (%)</i>	-	25
<b>Others</b>	Water absorption <i>ISO 62 method 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 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.