


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

Material properties		13LS1600	25LS1600
Aspect	Color	RAL 7035	RAL 9002
Physical	Density <i>ISO 1183 (g/cm³)</i>	1.7	1.73
	Shrinkage <i>ISO 2577 (%)</i>	0.1	0.1
	Glass fibers content <i>%</i>	16	23
Mechanical	Flexural strength <i>EN ISO 14125 (MPa)</i>	110	140
	Flexural modulus <i>EN ISO 14125 (MPa)</i>	10000	10000
	Charpy impact resistance <i>EN ISO 179 (kJ/m²)</i>	50	70
	Heat distortion temperature <i>EN ISO 75-2 (°C)</i>	>200	>200
Electrical	Surface resistivity <i>CEI 60093 (Ohm/square)</i>	>1.10E14	>1.10E14
Fire resistance	Hot glow wire <i>CEI 60695-2-12</i>	960°C 3mm	850°C 1.2mm
Others	Water absorption <i>ISO 62 method 1</i>	<0.5	<0.5

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