


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

Material properties		SMC	
		15LS1801Z	66LS1377B
Aspect	Color	Natural	Gray
Physical	Density <i>ISO 1183 (g/cm³)</i>	1.86	1.87
	Shrinkage <i>ISO 2577 (%)</i>	0.05	0.01
	Glass fibers content %	26	30
Mechanical	Flexural strength <i>EN ISO 14125 (MPa)</i>	195	160
	Flexural modulus <i>EN ISO 14125 (MPa)</i>	11100	10000
	Charpy impact resistance <i>EN ISO 179 (kJ/m²)</i>	78	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	Limit oxygen index <i>EN ISO 4589-2 (%)</i>		46
	Fire resistance <i>FMVSS 302 - ISO 3795 (mm/min)</i>	<100	
Others	Water absorption <i>ISO 62 method 1</i>	<0.5	<0.5

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