

0906

SMC Low Profile Polyester

Technical Data Sheet

Date : July 2012

Description :

FE0906 is a Class A LP SMC reinforced with chopped glass fibres (25 mm).
This material, not pigmented, has a good surface aspect and a low density.

Moulding features (*) :

	Unit		Test method
Reactivity			ISO 12114
• Moulding T°C :	°C	150	
• Thickness :	mm	4.0	
• Cure time :	s	50	
Density		1,37	NFT 51063
Shrinkage	%	-0,09	EN 1842

(*) Compression moulding without flow

Use recommendations :

High temperature around 150/155°C under 70 bars.

Application :

Class A - Outer part for automotive applications

COMPOSITION

Product nature	Unit	Ratio
Glass fibres content	%	30
Resins content	%	33
Fillers content	%	34
Other products content	%	3

APPEARANCE

	Unit	
Rolls :	kg	1000
SMC width :	cm	150
Material support :	-	Film PA/PE
Surface weight :	kg/m ²	3.0

MECHANICAL PROPERTIES

	Unit		Test method
Flexural test			ISO 178
- Breaking stress	MPa	120	
- Elastic modulus	MPa	6400	
Impact test (Charpy)	kJ/m ²	60	ISO 179

OTHER PROPERTIES

	Unit	Test method
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