

IDI SMC S31 (Glass Content 26%)

Thermoset, Unspecified
IDI Composites International

Message:

PRODUCT SERIES: S31 SERIES SMC
PRODUCT DESCRIPTION: CLASS "A" GRADE
Intended for use in automotive or transportation body panels that require painting. These composite materials exhibit a zero or near zero shrink characteristic.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 26% filler by weight		
Features	Low shrinkage		
Uses	Application in Automobile Field		
Forms	SMC-Sheet Molding Compound		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80 - 1.90	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.0 - 0.10	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.20 - 0.40	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	40 - 60		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	13800	MPa	ASTM D638
Tensile Strength	68.9	MPa	ASTM D638
Flexural Modulus			ASTM D790
-- ¹	7000	MPa	ASTM D790
-- ²	10000	MPa	ASTM D790
Flexural Strength	165	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	1100	J/m	ASTM D4812
Additional Information			
Smoothness Index : 77 (GM931AP)			
NOTE			
1.	2.5 mm deflection		
2.	0.5 mm deflection		

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Recommended distributors for this material

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