

IDI SMC S51 (Glass Content 25%)

Thermoset, Unspecified

IDI Composites International

Message:

PRODUCT SERIES: S51 SERIES SMC
PRODUCT DESCRIPTION: UV STABLE (GEN II) , LOW FLAME, LOW SMOKE
These materials are suitable for use in applications requiring superior colorfastness & physical property retention upon exposure to UV and visible light.

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Features	Flame Retardant		
	Good UV Resistance		
	Low Smoke Emission		
Forms	SMC - Sheet Molding Compound		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.70 to 1.90	g/cm ³	ASTM D792
Molding Shrinkage	0.0 to 0.20	%	ISO 2577
Water Absorption (23°C, 24 hr)	0.0 to 0.20	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	30 to 60		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	13800	MPa	ASTM D638
Tensile Strength	89.6	MPa	ASTM D638
Flexural Modulus	10300	MPa	ASTM D790
Flexural Strength	207	MPa	ASTM D790
Compressive Strength	159	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	1100	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 204	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Spread Index	15.0		ASTM E84
Smoke Developed Index	300		ASTM E84

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Recommended distributors for this material

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