

IDI STC 4450A

Thermoset, Unspecified

IDI Composites International

Message:

PRODUCT SERIES: STC 4400 SERIES SMC

PRODUCT DESCRIPTION: HIGH STRENGTH CARBON FIBER REINFORCED HYBRID COMPOSITES

General Information			
Filler / Reinforcement	Carbon Fiber		
Features	High Strength		
Forms	SMC - Sheet Molding Compound		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30 to 1.50	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.10 to 0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	40 to 70		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	41400	MPa	ASTM D638
Tensile Strength	193	MPa	ASTM D638
Flexural Modulus	22100	MPa	ASTM D790
Flexural Strength	310	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1300	J/m	ASTM D256

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