

IDI STC 3142

Vinyl Ester

IDI Composites International

Message:

PRODUCT SERIES: STC 3100 SERIES BMC

PRODUCT DESCRIPTION: HIGH STRENGTH CARBON FIBER REINFORCED EPOXY VINYLESTER COMPOSITES

General Information			
Filler / Reinforcement	Carbon Fiber		
Features	High Strength		
Forms	BMC - Bulk 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	30 to 60		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	39300	MPa	ASTM D638
Tensile Strength	68.9	MPa	ASTM D638
Flexural Modulus	27600	MPa	ASTM D790
Flexural Strength	179	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	640	J/m	ASTM D256

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