

IDI STC 3142A

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	46200	MPa	ASTM D638
Tensile Strength	82.7	MPa	ASTM D638
Flexural Modulus	29600	MPa	ASTM D790
Flexural Strength	207	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	750	J/m	ASTM D256

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