

IDI STC 1146A

Vinyl Ester

IDI Composites International

Message:

PRODUCT SERIES: ST 1000 SERIES BMC

PRODUCT DESCRIPTION: POLYESTER, VINYLESTER AND HYBRID COMPOSITES

General Information			
Forms	BMC - Bulk Molding Compound		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.55 to 1.75	g/cm ³	ASTM D792
Bulk Factor	1.0		ASTM D1895
Molding Shrinkage - Flow	0.10 to 0.30	%	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 50		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	18600	MPa	ASTM D638
Tensile Strength	103	MPa	ASTM D638
Flexural Modulus	15900	MPa	ASTM D790
Flexural Strength	255	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1700	J/m	ASTM D256

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