

IDI STC 2353

Thermoset Polyester

IDI Composites International

Message:

PRODUCT SERIES: STC 2300 SERIES SMC

PRODUCT DESCRIPTION: HIGH STRENGTH POLYESTER URETHANE HYBRID COMPOSITES

General Information			
Features	High Strength		
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 - 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 60		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	24800	MPa	ASTM D638
Tensile Strength	241	MPa	ASTM D638
Flexural Modulus	13800	MPa	ASTM D790
Flexural Strength	345	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1600	J/m	ASTM D256

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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