

IDI STC 2253FR

Thermoset Polyester

IDI Composites International

Message:

PRODUCT SERIES: STC 2200 SERIES SMC

PRODUCT DESCRIPTION: HIGH STRENGTH POLYESTER/VINYLESTER HYBRID COMPOSITES

| General Information | | | |
|--------------------------------|------------------------------|-------------------|-------------|
| Features | High Strength | | |
| Forms | SMC - Sheet Molding Compound | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.60 to 1.80 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow | 0.0 to 0.20 | % | 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 | 17200 | MPa | ASTM D638 |
| Tensile Strength | 207 | MPa | ASTM D638 |
| Flexural Modulus | 13800 | MPa | ASTM D790 |
| Flexural Strength | 310 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 1600 | J/m | ASTM D256 |

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