

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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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

