

Matrixx 80S7150

Polyethylene Terephthalate

The Matrixx Group, Inc.

Message:

Matrixx 80S7150 is a polyethylene terephthalate (PET) material, which contains a 15% glass fiber reinforced material. This product is available in North America. The main characteristics of Matrixx 80S7150 are: flame retardant/rated flame.

| General Information | | | |
|-----------------------------------|---|-------------------|-------------|
| Filler / Reinforcement | Glass fiber reinforced material, 15% filler by weight | | |
| Forms | Particle | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.44 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow | 0.40 - 0.60 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 96.5 | MPa | ASTM D638 |
| Flexural Modulus | 5000 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 43 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 0.45 MPa, not annealed | 218 | °C | ASTM D648 |
| 1.8 MPa, not annealed | 160 | °C | ASTM D648 |
| RTI Elec | 75.0 | °C | UL 746 |
| RTI Imp | 75.0 | °C | UL 746 |
| RTI | 75.0 | °C | UL 746 |
| Flammability | Nominal Value | | Test Method |
| Flame Rating (1.50 mm) | HB | | UL 94 |
| Additional Information | | | |

The value listed as Mold Shrinkage, ASTM D955, was tested in accordance with Matrixx test methods.

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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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