



powerfil® 4800

Textile glass fiber, direct roving

PRODUCT CHARACTERISTICS

For **weaving, pultrusion** and for **reinforcement of plastic** (compatible to polyester-, vinyl- and epoxy resins), as well as for the **thermal and acoustic insulation**.

TECHNICAL CHARACTERISTICS

| | |
|---|----------------------------------|
| Material | textile glass fiber (continuous) |
| Fiber structure | glass (amorph) |
| Filament diameter (ISO 1888) | 24 µm |
| Softening temperature (DIN ISO 7884-5, analogous ASTM C338) | 925 °C ± 10% |
| Transformation temperature (DIN ISO 7884-8) | 760 °C ± 10% |
| Spezific density (ASTM D1505) | 2,6 – 2,7 g/cm ³ |
| Resistance to acid (16% HCl / 23 °C / 10 min.)* | ≥ 99,0 % |
| Resistance to alkali (20% NaOH / 50 °C / 24h)* | ≥ 90,0 % |

| | Nominal value | Tolerance | Test method |
|----------------------------|---------------|------------------|-----------------|
| Linear Density, tex | 4800 | ± 5% | DIN EN ISO 1889 |
| Moisture content, % | - | max. 0,1 | ISO 3344 |
| Ignition loss, % | 0,45 | + 0,15 - 0,10 | ISO 1887 |

* DBW testing specifications

The technical information provided to the current state of the technology and is accurate to the best of our knowledge.

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