# TECHNICAL DATA SHEET

# powerfil® 480
# powerfil® 900

Textile glass fiber, direct roving

## PRODUCT CHARACTERISTICS

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

## TECHNICAL CHARACTERISTICS

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|---|---|---|---|
| **Material** | textile glass fiber (continuous) | **Linear density** (ISO 1889) Nominal value | 480 tex or 900 tex |
| **Fiber structure** | glass (amorph) | **Spezific density** (ASTM D1505) | 2,6 – 2,7 g/cm³ |
| **Filament diameter** (ISO 1888) | 17 µm | **Resistance to acid** (16% HCl / 23 °C / 10 min.)* | ≥ 99,0 % |
| **Softening temperature** (DIN ISO 7884-5, analogous ASTM C338) | 925 °C | **Resistance to alkali** (20% NaOH / 50 °C / 24h)* | ≥ 90,0 % |
| **Transformation temperature** (DIN ISO 7884-8) | 760 °C | | |

* 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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