



powerfil® 310

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

Material	textile glass fiber (continuous) (a pigment addition is also possible)
Fiber structure	glass (amorph)
Filament diameter (ISO 1888)	14 µm
Softening temperature (DIN ISO 7884-5, analog ASTM C338)	925 °C
Transformation temperature (DIN ISO 7884-8)	760 °C
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	310	± 5%	DIN EN ISO 1889
Moisture content, %	-	max. 0,1	ISO 3344
Ignition loss, %	0,5	± 15	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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