



## powerfil® 550

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

<b>Material</b>	textile glass fiber (continuous)
<b>Fiber structure</b>	glass (amorph)
<b>Filament diameter</b> (ISO 1888)	18 µm
<b>Softening temperature</b> (DIN ISO 7884-5, analog ASTM C338)	925 °C
<b>Transformation temperature</b> (DIN ISO 7884-8)	760 °C
<b>Spezific density</b> (ASTM D1505)	2,6 – 2,7 g/cm <sup>3</sup>
<b>Resistance to acid</b> (16% HCl / 23 °C / 10 min.)*	≥ 99,0 %
<b>Resistance to alkali</b> (20% NaOH / 50 °C / 24h)*	≥ 90,0 %

	Nominal value	Tolerance	Test method
<b>Linear Density, tex</b>	550	± 5%	DIN EN ISO 1889
<b>Moisture content, %</b>	-	max. 0,1	ISO 3344
<b>Ignition loss, %</b>	0,45	±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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