



powertex[®] LE PF

Textile endless glass fiber,
Voluminized and shape stable

PRODUCT CHARACTERISTICS

Low-emission formed part with inorganic binder which has outstanding acoustic properties as well as very good thermal resistance. Precise shape stability ensures easy handling and efficient installation.

TECHNICAL CHARACTERISTICS

Material	textile endless glass fiber	Transformation temperature (analogous DIN 51007)	≥ 750 °C
Fiber structure	glass (amorphous)	Softening temperature (DIN ISO 7884-5, analogous ASTM C338)	≥ 900 °C
Specific density (glass) (ASTM D1505)	2,6 ± 0,1 g/cm ³	Moisture content (analogous ISO 3344)	max. 0,2 % *
Filament diameter (ISO 1888)	14 – 27 µm	Ignition loss (analogous ISO 1887)	0,34 % $\left[\begin{smallmatrix} +0,16 \\ -0,30 \end{smallmatrix} \right] %$ *
Linear density (ISO 1889)	3300 ± 600 tex	Resistance to acid (16% HCl, 240h, RT)	≤ 2,0 % *
		Resistance to alkali (20% NaOH, 24h, 50 °C)	≤ 10,0 % *

BINDER CHARACTERISTICS

Binder type	Inorganic	Combustibility	non combustible
Colour	white	Temperature resistance	up to 1000 °C
Material	Silicon based	Binder content	5 – 10 %
Morphology	amorphous		

*Internal DBW test specifications.

The maximum application temperature is 750 °C.

The above information does not constitute a guarantee of properties. The suitability for the respective application must be checked. Subject to change without notice.