

powertex®

Textile glass fiber, continuous filament

PRODUCT CHARACTERISTICS

For **extrem temperature stressed exhaust systems** and for **direct filling** of the muffler, texturised in a bag, as wrapped or moulded part.

For a good **acoustic absorption** and **thermal insulation** in the **Exhaust Technology Area**.

TECHNICAL CHARACTERISTICS

Material	textile endless glass fiber	Moisture content (referring to ISO 3344)	max. 0,2 % *
Fiber structure	glas (amorphus)	Ignition loss (analogous to ISO 1887)	0,34 % $\left[\begin{matrix} +0,16 \\ -0,30 \end{matrix} \right] \%$ *
Transformation temperature (referring to DIN 51007)	≥ 750 °C	Linear density (ISO 1889)	4800 tex* ± 400 tex
Filament diameter (ISO 1888)	24 $\frac{+11}{-7}$ µm	Resistance to acid (16wt% HCl, 240h, RT)	≤ 2,0 % *
Resistance to alkali (20wt% NaOH, 24h, 50 °C)	≤ 10,0 % *	Softening temperature (DIN ISO 7884-5, analogous to ASTM C338)	≥ 900 °C
Specific density (Glass) (ASTM D1505)	2,6 ± 0,1 g/cm ³		

CHEMICAL COMPOSITION	SiO ₂	Al ₂ O ₃	CaO	MgO	TiO ₂	K ₂ O + Na ₂ O
in weight - %	56 – 62	11 – 16	20 – 25	≤ 4,5	≤ 3,5	≤ 4

*internal DBW test specification.

The maximum application temperature is 750 °C.

The technical information does not constitute a quality warranty. The suitability purpose must be examined. Subject to change without notice.