



**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

<b>Material</b>	textile endless glass fiber	<b>Moisture content</b> (PA 007-2, analog ISO 3344)	max. 0,2 % *
<b>Fiber structure</b>	glass (amorphous)	<b>Ignition loss</b> (PA 007-2, analog ISO 1887)	0,5 * ± 0,15 %
<b>Transformation temperature</b> (DIN ISO 7884-8)	≥ 750 °C	<b>Resistance to acid</b> (50%ige HCl, 240h, RT)	≤ 2,0 % *
<b>Filament diameter</b> (ISO 1888)	24 $\frac{+11}{-7}$ µm	<b>Resistance to alkali</b> (20%ige NaOH, 24h, 50 °C)	≤ 10,0 % *
<b>Linear density</b> (ISO 1889)	4800 tex* ± 400 tex		

## CHEMICAL COMPOSITION

	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	CaO	MgO**	TiO <sub>2</sub> **	K <sub>2</sub> O + Na <sub>2</sub> O
in weight - %	56 - 62	11 – 16	20 – 25	≤ 4,5	≤ 3,5	≤ 4

\* internal DBW test specification

\*\* DBW powertex® contains either TiO<sub>2</sub> up to 3.5% or MgO up to 4.5%.

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



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