



powermat® HT

High temperature glass
needle mat

PRODUCT CHARACTERISTICS

Good **acoustic absorption** and **thermal insulation** in the area of the **automotive, shipbuilding and railroad, industrial furnaces, power station and equipment construction and solar collectors.**

TECHNICAL CHARACTERISTICS

Material	HT glass fiber	Shrinkage (PA 026, 800 °C, 2 h)	≤ 8 % *
Application temperature (PA-08 NH)	850 °C *	Combustibility (DIN 4102)	non combustible
Filament diameter (according to ISO 1888)	7 – 16 µm	Binder	binder free
Ignition loss (PA 003, 800 °C, 2 h)	≤ 9,0 % *		

CHEMICAL COMPOSITION

	SiO ₂	Al ₂ O ₃	CaO	Na ₂ O
Wt. - %	90 ⁺⁸ ₋₄	5 ± 2	≤ 1	≤ 1

THERMAL CONDUCTIVITY λ (DIN 52612-2)

	[°C]	100	200	300	400	500	600	700	800
density 130 kg/m ³	[W/mK]	0,047	0,061	0,079	0,101	0,129	0,162	0,202	0,249

* internal DBW test instructions

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



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