TECHNICAL DATA SHEET

biosil® PT6

biosoluble mineral wool

PRODUCT CHARACTERISTICS

Rolls, cuttings, pressed and moulded parts based on biosoluble mineral wool for a good **acoustic absorption** and **thermal insulation** for **Engine Compartment** (bonnet, tunnel and dash panel insulation).

TECHNICAL CHARACTERISTICS

Material **Colour**	biosoluble mineral wool nature	**Fasionaire** PA 001) *	170 ± 30
Transformation temperature (DIN ISO 7884-8)	654 °C	**Biopersistance** (i.t.- test) **	< 40 days half life
Filament structure	glass (amorph)	**Burnrate** (ISO 3795)	0 mm/min
Ignition loss (%) (PA 007-2; analogous to DIN / ISO 1887) *	6 ± 2	**Shot content** (PA 007-1) *	< 20%

CHEMICAL COMPOSITION	SiO_2	Al_2O_3	$Fe_2O_{3\ total}$	MgO+CaO	K_2O+Na_2O	MnO
Wt. - %	**60,2 ± 2**	**1,1 ± 1**	**5,5 ± 1,5**	**28,1 ± 2**	**5,0 ± 1,5**	**≤ 1,1**

THERMAL CONDUCTIVITY λ (DIN 52612-2)	W/m*K	0,028	0,034	0,049	0,071	0,101	0,140
(mean temperature, , ρ= 110 kg/m³, Fas. 140)	**°C**	**50**	**100**	**200**	**300**	**400**	**500**

* DBW testing specifications ** intratrachialer test

A technical rejection rate of 2-3 % cannot be avoided due to the manufacturing process and the associated partial agglomeration of binders.The above information does not constitute a guarantee of characteristics. Suitability for the respective application must be checked. Subject to change without notice.

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