



biosil[®] PT6 advanced 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	biosoluble mineral wool	Fasonaire	170 ± 30
Colour	nature	PA 001) *	
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	Surface weight	500 – 1000 g/m ²
Shot content (PA 007-1) *	< 20%		

CHEMICAL COMPOSITION

	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃ total	MgO+CaO	K ₂ O+Na ₂ O	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/m ³ , Fas. 140)	°C	50	100	200	300	400	500

* DBW testing specifications

** intratrachialer test

The technical information provided to the current state of the technology and is accurate to the best of our knowledge.

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