

biosil® PT6

biosoluble mineral wool

PRODUCT FEATURES

Rolls, punched parts, blanks and moulded parts made of biosoluble mineral wool for good **acoustic absorption** and **thermal insulation** in the area of **engine compartment encapsulation (bonnet, bulkhead and transmission tunnel)**.

TECHNICAL PROPERTIES

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

CHEMICAL COMPOSITION	SiO ₂	Al O ₂₃	Fe ₂ O ₃ total	MgO+CaO	K ₂ O + Na O ₂	MnO
in % by weight	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, fibre 140)	°C	50	100	200	300	400	500

* Internal DBW test specifications

A technical reject rate of 2-3 % cannot be avoided due to the manufacturing process and the associated partial agglomeration of the binder.

The above information does not constitute a guarantee of properties. The suitability for the respective intended use must be checked. Subject to change without notice