

HT Paper

Papery products made of inorganic fibres

PRODUCT PROPERTIES

Papery products made of inorganic fibres with special organic binder for definite physical properties. Suitable for **acoustic absorption** and **thermal insulation** as well as **fire protection** in the field of the automotive, ships and buildings, high temperature gaskets, industrial furnace and combustion insulation as well as for domestic appliances and industrial machines.

TECHNICAL PROPERTIES

Maximum continuous use temperature [°C]	1000	Loss of ignition [%]	2-8
Classification temperature [°C] (EN1094-1)	1200	Colour	white
Melting temperature [°C]	≥ 1200	Low biopersistence^[1]	yes
Available thickness [mm]	0,8 - 10	Tensile strength [MPa] (EN1094-1) [°C]	> 0,17
Density [kg/m³]	192 [±32]		

COMPOSITION	SiO₂	CaO + MgO	Al₂O₃	Other
in [% _{wt}]	58-68	27 – 39	<10	< 3

THERMAL CONDUCTIVITY ASTM C201	[°C]	200	400	600	800	1000
	[W/mK]	0,05	0,07	0,11	0,15	0,21

^[1]internal DBW test specification.

This technical information does not constitute a quality warranty; their use is for guidance only. The values and the information are subject to manufacturing variation and may be subject to change without notice. The suitability for a specific purpose must be examined.

^[1]Environmental and Health Safety

The used low biopersistent fiber in this product is not classified as carcinogenic by IARC or under any national and global regulations. Therefore, no requirements are existing for warning labels according to GHS. In Europe the fiber meets the requirements of Nota Q of EU regulation EC/1272/2008 (CLP) and is therefore not classified as a hazardous material.