



4AC.104 Paper – Ceramic – Untreated

Overview

Final Advanced Materials offers an innovative continuous polycrystalline ceramic fibre. The metallic oxides in its composition make its transformation into ceramic textile particularly easy. Its mechanical and thermal performances outperform that of other fibrous materials such as aramid, silica, quartz, or glass.

Our papers are mainly made of alumina (Al₂O₃) at different proportions. They can withstand classification temperature up to 1,600 °C.

Technical Data

Properties	Unit	Value
Material		Ceramic
Composition	%	Al ₂ O ₃ : 97 SiO ₂ : 3 Other: < 0.5
Classification temperature	°C	1,600
Density	Kg/m ³	170

Temperature	Thermal Conductivity (W/mK)
600 °C	0.16
800 °C	0.20
1,000 °C	0.24

General Data

Material	Thermal resistivity	Mechanical strength	Chemical resistance
Ceramic	★★★★★	★☆☆☆☆	★★★★★

Applications

- Expansion joints
- Sealing joints
- Thermal shields



Available papers

Thickness (mm) \ Width (mm)	550
1	1TEX002616
2	1TEX002617
3	1TEX002618

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