

Kaowool 1260 paper



TYPE

Refractory ceramic fibre paper.

CLASSIFICATION TEMPERATURE

1260°C

The maximum continuous use temperature depends on the application. In case of doubt, refer to your local Morgan Thermal Ceramics distributor for advice.

DESCRIPTION

Kaowool 1260 Paper is manufactured from high purity refractory fibres and designed for high temperature insulation. Advanced production techniques ensure uniform fibre distribution and close control of thickness and density.

Kaowool 1260 Paper is produced from Alumina-Silicate fibres with the minimum addition of carefully selected bonds, which burn out cleanly in service

ADVANTAGES

- Good resistance to tearing
- High flexibility
- Low shot content
- Precise thickness
- Resistant to thermal shock
- Very low thermal conductivity

APPLICATIONS

- Insulating thermal break
- Insulating gaskets
- Expansion joints
- Parting media
- Die cut gaskets for domestic appliances
- Thermal barriers for vehicles (silencers, catalytic exhausts and heat shields)
- Fire protection

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Classification Temperature	°C	1260
Typical Physical Properties		
Colour		White
Density	kg/m ³	190
Melting point (minimum)	°C	1760
Tensile strength	kN/m ²	750
Thickness measurement pressure	kPa	10
High Temperature Performance		
Binder content/loss on ignition	%	8
Shrinkage (24 hours at 1260°C)	%	3.5
Thermal conductivity (BS 1902 Part 6) at mean temperature of:		
200°C	W/m.K	0.06
300°C	W/m.K	0.07
400°C	W/m.K	0.09
500°C	W/m.K	0.11
600°C	W/m.K	0.13
800°C	W/m.K	0.20

Chemical composition		
Al ₂ O ₃	%	47
SiO ₂	%	52
Other oxides	%	1

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Indicative heat loss table:

Hot face	Insulation Thickness/mm				
	0.5mm	1.0mm	2.0mm	4.0mm	8.0mm
538°C	400	335	268	202	145
649°C	471	395	316	239	172
760°C	-	456	364	276	200
871°C	-	516	413	315	229
982°C	-	-	462	353	258
1093°C	-	-	510	393	290
1204°C	-	-	-	433	321
1260°C	-	-	-	453	337

Combustibility

Alumino-Silicate refractory fibres are non-combustible when tested in accordance with BS 476, Part 4.

Availability and Packaging.

Kaowool 1260 Paper is available in standard roll sizes of 500, 610, 1000 and 1220mm wide. It is available in the following thicknesses and standard lengths. Special roll widths and lengths can also be supplied.

Thickness/ mm	Length/ mm
0.5	80
1.0	40
1.5	30
2.0	20
2.5	20
3.0	15
4.0	10
5.0	10
6.0	10
8.0	10
10.0	10

The values given herein are typical values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Therefore, the data contained herein should not be used for specification purposes. Check with your Thermal Ceramics office to obtain current information.

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