



P Paper

Product characteristics

- High flexibility
- Uniform thickness
- Resistant to thermal shock

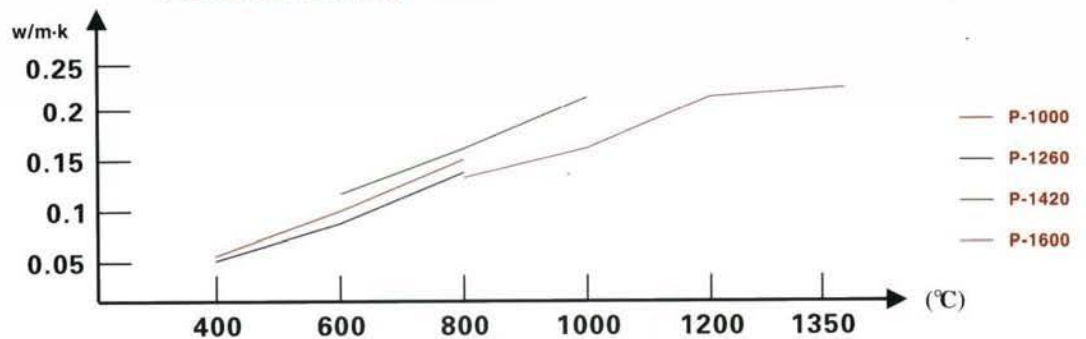
Product application

- High temperature gaskets
- Model lining for firing glass and microcrystal glass

Product information

type	P-1000	P-1260	P-1420	P-1600
classification temperature (°C)	1000	1260	1420	1600
Volume weight (kg/m ³)	180-220	180-220	180-220	180-220
Reheat line shrinkage (%)	3.5 (1000°C×24hr)	3.5 (1260°C×24hr)	3 (1400°C×24hr)	3 (1500°C×6hr)
Organic content (%)	<10	<8	<8	<8
Supplied product size (mm)	$\begin{pmatrix} 50000 \\ 30000 \\ 20000 \\ 15000 \end{pmatrix} \times 600 \times \begin{pmatrix} 1 \\ 2 \\ 3 \\ 5 \end{pmatrix}$			

Thermal conductivity w/m-k





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.

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 Thermal Ceramics distributor for advice.

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

MAIN PROPERTIES

Classification temperature °C 1260

Typical Physical Properties

- Colour white
- Density kg/m³ 210
- Melting point (minimum) °C 1760
- Tensile strength kN/m² 750
- Thickness measurement pressure kPa 10

High Temperature Performance

- Binder content/loss on ignition % 8
- Shrinkage (4hrs 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



Ceramic Fiber Paper

High Temperature Performance (continued)

- Indicative heat loss table:

Hot Face	Insulation Thickness				
	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

Chemical Composition

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

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 (m)
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



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