



Kaowool® 1600 Paper

Product Data Sheet

Product Description

Kaowool 1600 Paper is designed for high-temperature applications up to 1600°C. Manufactured from high-purity alumina fibres, using advanced production techniques to ensure uniform fibre distribution and close control of thickness and density.

Kaowool 1600 Paper is produced using alumina fibres with the minimum addition of carefully selected bonds, which burn out in service. The product's ultra-clean 'shot' free properties promote excellent handling and strength characteristics.

Kaowool 1600 Paper has significant benefits as a separating and parting media for vacuum brazing applications and heat treatment. Other applications include gaskets and seals in furnaces with reducing atmospheres and hot isostatic pressing.

Please contact your regional Morgan Advanced Materials - Thermal Ceramics representative to support your application requirements.

Features

- High chemical purity
- Excellent insulating performance
- Excellent thermal stability
- Excellent chemical stability in industrial process conditions
- Resistance to thermal shock
- Easy handleability

Applications

- Industrial and domestic appliance gasketing
- Glazing applications
- Automotive heat shields and muffler insulation
- Passive Fire Protection applications

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Properties		Kaowool 1600 Paper
Region of Manufacture		EMEA
Color		white
Classification Temperature, °C (°F), EN 1094-1 (2008)		1600 (2912)
Density, kg/m ³ (pcf), EN 1094-1 (2008)		125 (7.8)
Tensile strength, MPa (psi), EN 1094-1 (2008)		0.25 (36.25)
Loss of Ignition, %		8
Chemical Analysis, %		
	Alumina, Al ₂ O ₃	88
	Silica, SiO ₂	9
	Other	3
Thermal Conductivity, W/m·K (BTU·in/hr·ft ² ·°F), ASTM C201		
	500°C (932°F)	0.09 (0.62)
	800°C (1472°F)	0.11 (0.76)
	1200°C (2192°F)	0.17 (1.18)
	1400°C (2552°F)	0.26 (1.80)
	1600°C (2912°F)	0.32 (2.22)

Product Availability

Kaowool 1600 Paper is manufactured in our EMEA region, and is available globally.

Please contact your regional Morgan Advanced Materials - Thermal Ceramics representative to support providing specific packaging availability for your local business needs.

Whilst the values and application information in this datasheet are typical, they are given for guidance only. The values and the information given are subject to normal manufacturing variation and may be subject to change without notice. Morgan Advanced Materials – Thermal Ceramics makes no guarantees and gives no warranties about the suitability of a product and you should seek advice to confirm the product's suitability for use with Morgan Advanced Materials - Thermal Ceramics.