



Kaowool® 1400 Paper

Product Data Sheet

Product Description

Kaowool 1400 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 1400 Paper is produced from alumina-silicate fibres with the minimum addition of carefully selected bonds, which burn out cleanly in service. Kaowool 1400 Paper exhibits excellent strength, flexibility and good handling characteristics. Other beneficial properties include low thermal conductivity, low thermal mass and exceptionally high thermal shock resistance.

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

Features

- 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
- Passive Fire protection

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Properties		Kaowool 1400 Paper
Region of Manufacture		EMEA
Color		white
Classification Temperature, °C (°F), EN 1094-1 (2008)		1400 (2552)
Density, kg/m ³ (pcf), EN 1094-1 (2008)		200 (12.5)
Tensile strength, MPa (psi), EN 1094-1 (2008)		0.51 - 0.68 (75 - 100)
Loss of Ignition, %		6-10
Chemical Analysis, %		
	Alumina, Al ₂ O ₃	33 - 37
	Silica, SiO ₂	48 - 52
	Zirconia, ZrO ₂	13 - 17
	Other	trace
Thermal Conductivity, W/m•K (BTU•in/hr•ft²•°F), ASTM C201		
	400°C (752°F)	0.09 (0.62)
	600°C (1112°F)	0.13 (0.90)
	800°C (1472°F)	0.20 (1.39)
	1000°C (1832°F)	0.29 (2.01)
	1200°C (2200°F)	0.44 (3.05)

Product Availability

Kaowool 1400 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.