

E.R. Glass Fibre Paper

Product Data Sheet



Product Description

E.R. Glass Fibre Paper is manufactured from a blend of acid resistant, shot-free Borosilicate 'E' glass fibre and binder.

The Polyvinyl-Alcohol binder allows for excellent flexibility will burn out cleanly upon first firing at 300°C (572°F).

E.R. Glass Fibre Paper has excellent thermal insulation characteristics and exceptional handling properties.

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

Features

- Good resistance to tearing
- High flexibility
- No shot content
- Precise thickness
- Resistant to thermal shock
- Very low thermal conductivity
- Low thermal mass

Applications

- Gasketing high temperature applications
- Back up lining for metal troughs
- Refractory back up for aluminum melting and holding furnaces
- Insulating thermal break
- Insulating gaskets and expansion joints
- Parting media
- Die cut gaskets for domestic appliances

E.R. Glass Fibre Paper

Product Data Sheet



Properties		E.R. Glass Paper
Region of Manufacture		EMEA
Color		white
Classification Temperature, °C (°F), EN 1094-1 (2008)		600 (1112)
Continuous Use Temperature, °C (°F)		500 (932)
Density, kg/m ³ (pcf), EN 1094-1 (2008)		125
Tensile strength, MPa (psi), EN 1094-1 (2008)		>0.9
Loss of Ignition, %		15
Permanent Linear Shrinkage, %, after 24 hours, ENV (1094-1)		
	600°C	<4
Chemical Analysis, %		
	Alumina, Al ₂ O ₃	14
	Silica, SiO ₂	54
	Calcium oxide, CaO	17.4
	Titanium oxide, TiO ₂	0.5
	Ferric oxide, Fe ₂ O ₃	0.3
	Magnesium oxide, MgO	4.7
	Sodium oxide, Na ₂ O	0.4
	Boron oxide, B ₂ O ₃	8
	Fluorine, F ₂	0.5

Product Availability

- Thickness, mm (in): 0.5 - 4 (0.02 - 0.16)
- Packaging is available in Rolls or Sheets.

ER Glass 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.