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

www.morganthermalceramics.com
Email: marketing.tc@morganplc.com
Thermal Ceramics is a business of Morgan Advanced Materials

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_2O_3	14
Silica, SiO_2	54
Calcium oxide, CaO	17.4
Titanium oxide, TiO_2	0.5
Ferric oxide, Fe_2O_3	0.3
Magnesium oxide, MgO	4.7
Sodium oxide, Na_2O	0.4
Boron oxide, B_2O_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.

www.morganthermalceramics.com
Email: marketing.tc@morganplc.com
Thermal Ceramics is a business of Morgan Advanced Materials