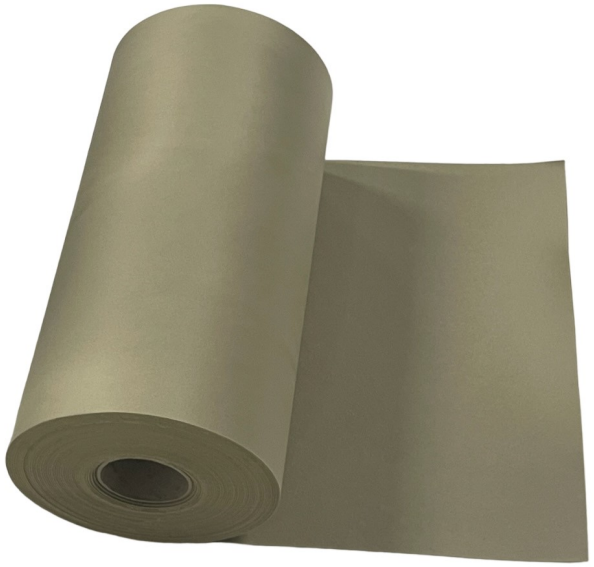
Thermatex™ 850 Paper

Product Data Sheet



Product Description

Thermatex 850 Paper is one of a range of refractory fibre papers, and has been developed specifically as an asbestos paper replacement.

It is a soft, flexible, clean paper that is pleasant to handle. Alternatively, Thermatex 850 Paper can be supplied die cut to regular or intricate flat shapes to suit specific application requirements.

Thermatex 850 Paper application areas include the primary aluminium industry, non-ferrous foundries and the general domestic appliance market. Additionally, it is ideal for low-pressure seals and gaskets for temperatures up to 850°C (1562°F).

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
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Properties	Thermatex 850 Paper
Region of Manufacture	EMEA
Color	Green
Classification Temperature, °C (°F), EN 1094-1 (2008)	850 (1562)
Density, kg/m^3 (pcf), EN 1094-1 (2008)	230 (9)
Tensile strength, MPa (psi), EN 1094-1 (2008)	>0.94
Loss of Ignition, %	10
Permanent Linear Shrinkage, %, after 24 hours, ENV (1094-1)	
850°C	<4
Chemical Analysis, %	
Alumina, Al_2O_3	14.6
Silica, SiO_2	49.7
Calcium oxide, CaO	16.6
Titanium oxide, TiO_2	0.8
Ferric oxide, Fe_2O_3	3.7
Magnesium oxide, MgO	8.7
Sodium oxide, Na_2O	1.5
Boron oxide, B_2O_3	3.5
Fluorine, F_2	0.1
Thermal Conductivity, W/m•K (BTU•in/hr•ft^2•°F), ASTM C201	
100°C (200°F)	0.04 (0.28)
300°C (572°F)	0.08 (0.56)
500°C (932°F)	0.13 (0.90)

Product Availability

Thermatex 850 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.

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