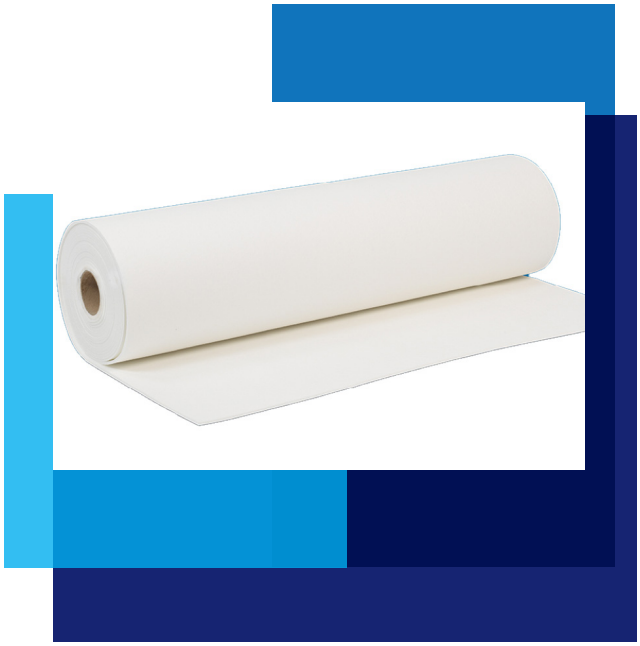
Promat

1600 °C

DALFRATHERM®-1600 PAPER

Technical data sheet



Product description

DALFRATHERM®-1600 is made using an optimized production process to manufacture uniform, lightweight, low shot and flexible paper-like products, targeted to deliver the highest possible thermal insulation value and handling strength.

In this chemical composition, the high alumina fiber is boosting the classification temperature where the special grade RCF fiber is providing additional strength.

DALFRATHERM™ paper is very flexible, but offers a high tensile strength thanks to the high fiber index. It is particulary suited to all applications requiring further processing (laminated composites, die-cutting, rolling, folding).

TECHNICAL DATA

Grade		RCF
Colour		white
Classification temperature	°C	1600
Continuous use temperature	°C	1400
Density (EN 1094-4)	kg/m³	180
Linear shrinkage (GB/T 17911) 12h@1400 C°	%	< 2
Thermal conductivity (ASTM C201) 200°C 400°C 600°C 800°C 1000°C	 W/m.K W/m.K W/m.K W/m.K W/m.K	 0,05 0,07 0,10 0,13 0,18
Chemical composition (GB/T 21114) SiO_2 Al_2O_3 Other	 % % %	 32 67 < 1
Loss on Ignition	%	< 8

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DELIVERY SIZES (STANDARD ROLLS)

Length (mm)	Width (mm)	Thickness (mm)
60000	610	1
30000	610	2
20000	610	3
15000	610	4

Not all thickness are available as standard

Application area

- Filler for expansion joints between pre-casted shapes and IFB linings
- Seperation and parting media for vacuum brazing applications
- Gaskets in furnaces with reducing a®ospheres
- General technical insulation of furnaces and technical installations
- Gaskets for domestic appliances
- Thermal insulation in automotive heat shields
- General technical insulation of furnaces and technical installations

Properties & benefits

- High fibre index
- Low shot technology
- Excellent insulation performance
- High handling strength
- Close dimensional tolerance
- Smooth surface and low dust
- Easy die-cutting for high temperature gaskets
- Excellent thermal stability

Working & processing

DALFRATHERM®-1600 paper paper can be easily cut and processed with conventional tools. Suitable items are knives with serrated edge, band saws and punching machines.

Dust is produced during procession. Dust can be harmful to the health. Avoid contact with eyes and skin. Do not breathe in the dust. Dust should be removed by suction. The dust limits are to be adhered to. See product safety information sheet.

Sustainability

Our world has changed in the past few decades with reduced CO2 emissions and energy consumption as the key drivers. Therefore focus must be on the most effective methods of saving energy.

A high performance insulation lining (like DALFRATHERM®) for the technical installation not only saves energy but also provides energy bill savings, avoids heat loss and demands lesspower.

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