

Provisional Product Information Sheet



Saffil® Felt 160G

Description

Saffil Felt 160G is manufactured from high purity polycrystalline fibres, blended with specially selected organic binders to produce a flexible felt with exceptional characteristics. This composition increases the continuous operating temperature capability, provides very low shrinkage at elevated temperatures, whilst maintaining excellent insulating properties. Our advanced felting process ensures a lightweight, high strength product enhanced by low thermal conductivity and exceptional handling characteristics.

General Characteristics

Saffil Felt 160G has the following outstanding characteristics:

- High temperature stability
- Low thermal conductivity
- High resiliency
- Lightweight
- Excellent flexibility
- Easy to wrap, cut and shape
- Extremely low shot content



Typical Applications

- Flexible high temperature gaskets and seals
- Ingot mould liners
- High temperature expansion joints
- Burner core wrap gaskets

Typical Product Parameters

	Saffil Felt 160G
Typical Chemical Analysis (fibre wt. %)	
Al ₂ O ₃	95 – 97
SiO ₂	3 – 5
Trace	0.5
Physical Properties	
Colour	White / Beige
Classification Temperature (°C) *	1600
Product Density (kg/m ³)	130 – 190
Tensile Strength (kPa)	>50
Loss on ignition (wt. %)	<10
Permanent Linear Shrinkage (%) 24 Hour Soak	
1200°C	<2.5%
1600°C	<4.0%

*Classification Temperature is not a definition of the operational limit of these products, especially when long-term physical or dimensional stability is a factor. For certain applications, continuous use temperature limits may be significantly reduced. For assistance or clarification, please contact your nearest Alkegen Engineering office. Where appropriate, Physical Properties data measured according to EN 1094-1.

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Availability

Thickness (mm)	Sheets per Carton
	Sheet Size 1250 x 1000mm
6	16
9	10
12	8
18	5
25	4
50	2

Other thicknesses/sheet sizes may be available on request, subject to minimum order requirements.
Please contact your local Alkegen sales office to discuss your particular requirements.

Handling Information

A Safety Data Sheet (SDS) has been issued describing the health, safety and environmental properties of this product, identifying the potential hazards and giving advice on handling precautions and emergency procedures. This must be consulted and fully understood before handling, storage or use.

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The test data shown are average results of tests conducted under standard procedures and are subject to variation. Results should not be used for specification purposes.

Product Information Sheets are periodically updated by Alkegen. Before relying on any data or other information in this Product Information Sheet, you should confirm that it is still current and has not been superseded. A Product Information Sheet that has been superseded may contain incorrect, obsolete and/or irrelevant data and other information.

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