

FIBERFRAX DURABLANKET

Fiberfrax Durablanket is manufactured from blown Fiberfrax 1250°C ceramic fibre. The long interlocking fibres make it strong enough for most applications. The homogeneity of this product allows for excellent low thickness blankets, particularly suited to mould wrap applications.

Individual data sheets are available for the other products in the Durablanket range.

TYPICAL PRODUCT PARAMETERS

Durablanket			
Typical Chemical Analysis (wt.%)			
SiO ₂	50.0 - 54.0		
Al ₂ O ₃	46.0 - 50.0		
Alkalis	<0.25		
Fe ₂ O ₃ + TiO ₂	<0.2		
Physical Properties			
Colour	White		
Classification Temperature (°C) *	1250		
Melting Point (°C)	1800		
Mean Fibre Diameter (microns)	2.1		
Specific Heat at 1000°C (J/kgK)	1009		
Permanent Linear Shrinkage (%) 24 hour soak			
1250 °C	2.5		
Density (kg/m³)	64	96	128
Thermal Conductivity (W/mK)			
Mean Temp.			
600 °C	0.16	0.15	0.14
800 °C	0.27	0.22	0.20
1000 °C	0.35	0.31	0.28
Tensile Strength (kPa)			
	20	45	60

*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 Unifrax Engineering office. Where appropriate Physical Properties data measured according to EN 1094-1.

AVAILABILITY

Thickness (mm)	Density (kg/m ³)			Roll Length (m)
	64	96	128	
6		✓	✓	21.96
10		✓	✓	18.30
13	✓	✓	✓	14.64
19	✓	✓	✓	10.00
25	✓	✓	✓	7.32

Standard roll width is 610mm. Other thicknesses / sizes may be available on request subject to minimum order requirements. Versions with aluminium foil and other coverings are available subject to order.

HANDLING INFORMATION

A Material Safety Data Sheet 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.

Supplied by: