

Specification Sheet (Superceded) / 01 Fiberfrax refractory ceramic fibre



Certificate No. 11738-EMS-001
ISO 9001:2015 ISO 14001:2015

General characteristics

High temperature stability
High resiliency
Lightweight
Excellent flexibility
Easy to wrap, cut and shape

Typical Applications

High temperature gaskets and seals
Ingot mould liners
Automotive heat shields and silencer insulation
Molten metal transfer systems (back-up insulation)
Expansion joints

Fiberfrax FT Paper

a versatile insulating paper available in a wide range of thicknesses, and is suitable for use in a variety of high temperature applications.

Fiberfrax Premium grade DS Paper

produced using a unique washing process to give a paper designed for applications where extra cleanliness (less particulate) is required.

Fiberfrax H Paper

manufactured using high alumina ceramic fibre, giving a paper which can be operated at higher temperatures and with an improved chemical resistance.

Paper	FT	DS	H
Typical Chemical Analysis (fibre wt. %)			
SiO ₂	50.0 - 54.0	50.0 - 54.0	42.0 - 52.0
Al ₂ O ₃	46.0 - 50.0	46.0 - 50.0	48.0 - 58.0
Fe ₂ O ₃ + TiO ₂	<0.2	<0.2	<0.2
Alkalis	<0.25	<0.25	<0.25

Physical Properties			
Colour	White	White	White
Melting Point (°C)	1800	1800	1800
Product Density (kg/m ³)	200 - 240	160 - 200	180 - 280
Tensile Strength (kPa)	>350	>350	>350

Paper Type	Unwashed	Unwashed	Unwashed
Classification Temperature (°C) *	1250	1250	1400
Loss on Ignition (wt.%)	<12.0	<12.0	<12.0

Thermal Conductivity (W/mK)			
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Polymer Works, Hope Street
Dudley, West Midlands DY2 8RS

t: 01384 252555

f: 01384 252373

e: technical@advancedseals.co.uk



http://www.advancedseals.co.uk

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Mean Temperature			
600 °C	0.08	0.08	0.11
800 °C	0.11	0.11	0.16
1000 °C	0.17	0.17	0.21

Permanent Linear Shrinkage (%) 24 Hour Soak			
1250 °C	<4.0	<4.0	-
1400 °C	-	-	<4.0

Availability

Thickness (mm)	FT	DS	H	Roll Length (m)	Roll Length (m)	Roll Length (m)
			Roll Width (mm)	610	1000	1260
1	Y	Y	Y	125	380	380
2	Y	Y	Y	60	180	180
3	Y	Y	Y	35	110	110
4	Y	Y	N	25	80	80
5	Y	Y	N	20	60	60
6	Y	Y	N	15	60	60
7	Y	N	N	15	50	50
8	Y	N	N	10	40	40

Change Control Date	Change
27/01/2015	Created



The above figures are average values.
We recommend that you examine any material you select to ensure its suitability for your application.
Tolerance(s) applied in accordance with ASG specification No W1007 (<https://bit.ly/3nKm6Hj>) unless otherwise stated.
Our standard terms and conditions of trading (<https://bit.ly/3b3mThw>) apply at all times.

