Technical Data Sheet

Fibrex® HT

Fibrex HT Stainless Steel Fibres reinforce monolithic refractories against thermal and mechanical shock by reducing cracking and spalling susceptibility.

Fibrex HT is a new proprietory product researched and developed as an alternative to ME446 and ME430 steel fibres and performs best in refractory operating conditions of:

- Thermal cycling up to 1600°C*
- Continuous fibre soaking temperature up to 1200°C
- Extreme mechanical shock
- Oxidising, sulphur, reducing atmospheres

Chemical Composition:(maximum unless stated)

Cr	Mn	C	S	P	Si	Other
18.0-21.0	2.0	0.40	0.030	0.050	3.5	-

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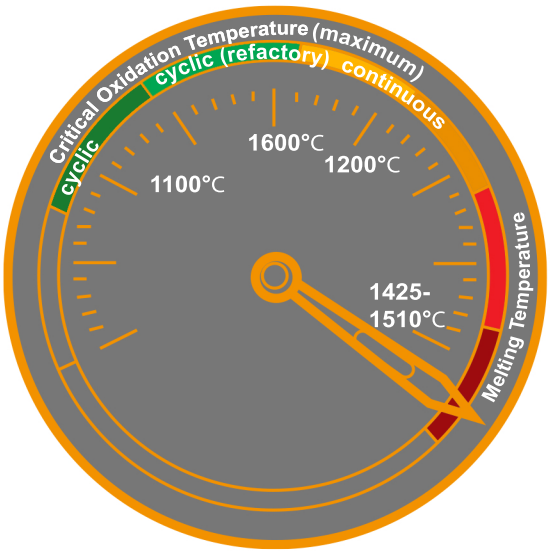
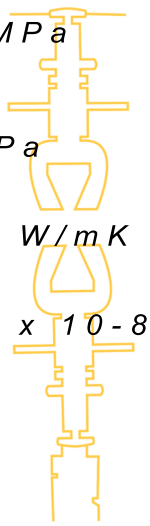
typical No/kg	aspect ratio	equivalent dia	fibre length
151,000	40	0.30mm	12mm
51,000	50	0.40mm	20mm
26,000	50	0.50mm	25mm
18,100	42	0.60mm	25mm
13,000	58	0.60mm	35mm
9,500	60	0.70mm	35mm



Tensile Strength	
20 °C	740MPa
870 °C	63MPa
Thermal Conductivity	24.6 W/mK
Coefficient of Thermal Expansion	12.1 x 10-8 /°C



Cert No. 1493 ISO14001:2015

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