

Technical Data Sheet



ME310 Stainless Steel Fibres reinforce monolithic refractories against thermal and mechanical shock by reducing cracking and spalling susceptibility. The fibres can be used in refractory operating conditions of:

1. High thermal cycling, or
Continuous fibre soaking temperature up to 1200°C in refractory
2. High mechanical shock
3. High temperature corrosive atmospheres

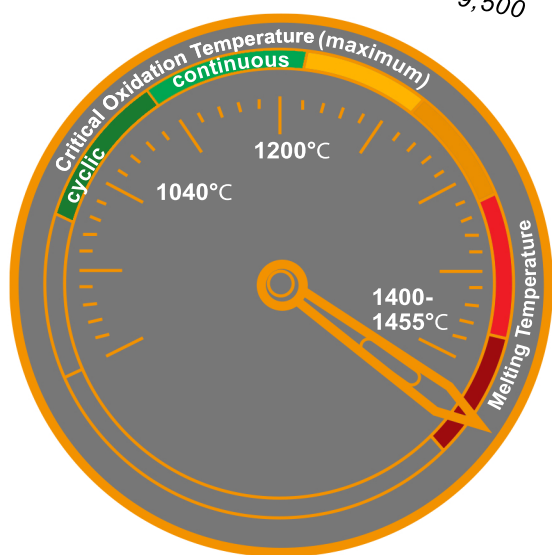
Chemical Composition:(maximum unless stated)

Cr 24.0-26.0	Mn 2.0	C 0.50	S 0.030	P 0.050	Si 3.5
		Ni 19.0-22.0			

ME310 is a high strength corrosion resistant fibre that performs in extreme conditions up to 1200 °C



typical No/kg	aspect ratio	equivalent dia	fibre length
151,000	40	0.34mm	12mm
51,000	50	0.47mm	20mm
26,000	50	0.50mm	25mm
18,100	42	0.60mm	25mm
13,000	58	0.60mm	35mm
9,500	50	0.70mm	35mm



Tensile Strength

20 °C ----- 540 MPa

870 °C ----- 152 MPa

Thermal Conductivity ----- 20.1 W/mK

Coefficient of Thermal Expansion ----- 12.1 x 10⁻⁸ /°C



Cert No. 1493
ISO14001:2015

Cert No. GB00273
BS EN ISO 9001:2015

FIBRETECH®

TEL: +44(0)1773 863100
FAX: +44(0)1773 580287
email: info@fibrectech.com

