Technical Data Sheet

ME430™

ME430 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:

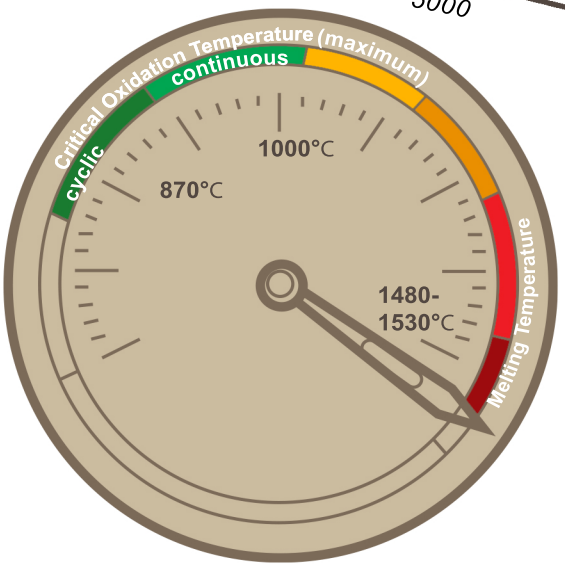
1. High thermal temperature, or
Continuous fibre soaking temperature up to 1000ºC in refractory
2. High mechanical shock
3. Reasonable high temperature oxidation resistance

Chemical Composition:(maximum unless stated)

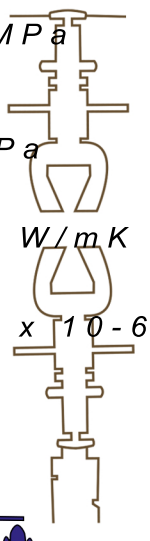
Cr 14.0-18.0	Mn 2.0			C 0.40	S 0.030	P 0.050	Si 3.5
		Ni 0.5				

ME430 is a cost effective stainless steel used for lower temperature applications

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
12,000	58	0.60mm	35mm
5000	50	0.70mm	35mm



Tensile Strength 20 °C	850MPa
870 °C	47MPa
Thermal Conductivity	26.5 W/mK
Coefficient of Thermal Expansion	13.7 x 10-6 /°C



Cert No. 1493
ISO14001:2015

Cert No. GB00273
BS EN ISO 9001:2015

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