

## DATA SHEET

### Melt Extract Stainless Steel Fiber-446

Item	446
Melting Point Range °C	1425-1510
Elastic Modulus at 870 °C 10000 Mpa	9.65
Thermal Expansion Coefficient at 870 °C 0.000001°C	13.14
Heat Conductance at 500 °C W/m.k	24.4
Specific Gravity at room temperature G/cm3	7.5
Loss of Weight(%) after 1000 Hours of circulating oxidization at 982 °C(100) hours %	4
Max Operating Temperature used in SO2 °C	100
Corrosion in H2S °C	1025
Corrosion in Natural Gas at 815 °C Mil/yr	4
Corrosion in coking coal gas at 982 °C Mil/yr	14
Corrosion by CH2 at 454 °C Mil/yr	8.7
<b>Chemical Composition (%)</b>	
C	≤0.3
Si	≤2.0
Mn	≤2.5
Ni	---
Cr	23-27

Note: Technical Data are typical results from test pieces. This information, subject to change, is offered solely for your consideration. Users of our products should make their own tests to determine the suitability of each product for their particular purposes.