

DATA SHEET

STAINLESS STEEL WOOL

GRADE: AISI 434 - W.Nr. 1.4113 - SUS 434

Fine Type

CHEMICAL COMPOSITION % :

C	P	Mn	S	Si	Cr	Mo
0,08	0.045	1.00	0.030	1.00	16 - 18	0.9 - 1.3
max	max	max	max	max		

FEATURES:

APPARENT DENSITY:
WEIGHT:

MEAN DENSITY 160 KG/CU METER
STANDARD 40 GR/LINEAR METER
ALLOWANCE ON WEIGHT +/- 15%

WIDTH OF STRIP:
DELIVERY FORM:

100 MM.
ROLLS OF 700 MM DIAMETER
WEIGHT OF ROLL = 6 / 7 KG.

PHYSICAL PROPERTIES:

MELTING TEMPERATURE:

1420 - 1510 ° C

MAXIMAL DUTY TEMPERATURE:

CYCLIC HEATING 850 ° C
CONTINUOUS SERVICE 800 ° C

TENSILE STRENGTH:

ROOM TEMPERATURE 700-800 Mpa
AT 850 ° C 50-55 Mpa

STRESS MODULE:

97 GN. SQ/METER AT 859 ° C

THERMAL EXPANSION COEFFICIENT:

13.1X10-6 AT 850 ° C PER ° C

THERMAL CONDUCTIVITY:

24.8 W.mK-1 at 450°

FILAMENT CROSS SECTION:

DIMENSIONAL DISTRIBUTION

< 60	microns	15%
60 - 80	microns	75%
80 -100	microns	10%
100 -120	microns	0%

DBM

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