

## MATERIAL CERTIFICATE

# SS434WOOL/M

### STAINLESS STEEL WOOL

GRADE: AISI 434—W.Nr. 1.4113—SUS 434 80-120 Micron

#### CHEMICAL COMPOSITION %:

C	P	Mn	S	Si	Cr	Mo
0.08	0.040	1.00	0.030	1.00	16 - 18	0.75 - 1.25
Max	Max	Max	Max	Max		



#### FEATURES:

WEIGHT:	STANDARD 40 GR/LINEAR METER ALLOWANCE ON WEIGHT±15%
WIDTH OF STRIP:	100±10MM
DELIVERY FORM:	ROLLS OF 600 MM DIAMETER
	WEIGHT OF ROLL = 6.5~9.5 KG

#### PHYSICAL PROPERTIES:

MELTING TEMPERATURE:	1420 - 1510 °C
MAX DUTY TEMP.:	CYCLIC HEATING 950°C APPLICATION TEMP. 850°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:	13.1 x 10-6 AT 850°C PER °C
THERMAL CONDUCTIVITY:	24.8 W.mk-1 at 450°C
	DIMENSIONAL DISTRIBUTION

Revised

19/10/2022

FILAMENT CROSS SECTION:			
	<80	Microns	15%
	80 - 120	Microns	70%
	120 - 150	Microns	10%
	>150	Microns	5%

#### APPLICATION

- Especially well-suited for performance exhaust silencer packing
- Rated up to 850°C application temperature
- Oxidation resistant