

MATERIAL CERTIFICATE

SS434WOOL/H

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 APPLICATION TEMP.	950°C 850°C
TENSILE STRENGTH:	ROOM TEMPERATURE AT 850°C	700-800 Mpa 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		
FILAMENT CROSS SECTION:	DIMENSIONAL DISTRIBUTION		
	<80	Microns	15%
	80 - 120	Microns	70%
	120 - 150	Microns	10%
	>150	Microns	5%