

**Product****STAINLESS STEEL WOOL****Grade 434 / W.nr. 1.4113**Type **MEDIUM****Identification**

<b>AISI</b>	<b>434</b>	<b>SUS</b>	<b>434</b>
<b>DIN</b>	<b>X6 CrMo 17 1</b>	<b>ANFOR</b>	<b>Z8CD17-01</b>
	<b>W.Nr. 1.4113</b>		
<b>UNI</b>	<b>X8 CrMo 17</b>		

**Chemical composition**

<b>C</b>	$\leq 0,08\%$
<b>Si</b>	$\leq 1,00\%$
<b>Mn</b>	$\leq 1,00\%$
<b>P</b>	$\leq 0,040\%$
<b>S</b>	$\leq 0,030\%$
<b>Cr</b>	$16,0\div 18,0\%$
<b>Mo</b>	$0,9\div 1,25\%$

**Density in rolls**Med density  $\geq 250 \text{ Kg/m}^3$ **Weight for linear meter**Standard 40 gr. Allowance on Weight  $\pm 15\%$   
Streep width 100 mm**Form**Rolls  $\varnothing$  500 - 600 mm  
Weight roll 6 - 9 Kg.**PHYSICAL PROPERTIES****Melting temperature**

1425 - 1510 °C

**Max duty temp. on air**cyclic heating 980 °C  
continuos service 880 °C**Tensile strenght**ambient temperature 700-800 Mpa  
a 870°C 50-55 Mpa**Coeff. of thermal expans.**13,1x10<sup>-6</sup> a 870 °C**Thermal conductivity**24,8 W.mK<sup>-1</sup> a 540 °C**Modulus of elasticity**97 GN.m<sup>-2</sup>a 870 °C per °C**Filament cross section**

dimensional distribution

(expressed as en equivalent diameter)

< 85	$\mu$	5%
85 - 100	$\mu$	10%
100 - 120	$\mu$	70%
120 - 150	$\mu$	10%
>150	$\mu$	5%