



## MATERIAL DATA SHEET

Product **STAX stainless steel fibers 1.4841**

Material **1.4841 (X15CrNiSi 25 20)**

Chem. Analysis (%)	<b>C</b>	<b>max. 0,20</b>
	<b>Si</b>	<b>max. 2,50</b>
	<b>Mn</b>	<b>max. 2,00</b>
	<b>P</b>	<b>max. 0,045</b>
	<b>S</b>	<b>max. 0,015</b>
	<b>Cr</b>	<b>24,00 - 26,00</b>
	<b>Ni</b>	<b>19,00 - 22,00</b>

Density **approx. 7,9 g/cm<sup>3</sup>**

Heat Conductivity **approx. 14 W/(mK)**

Electrical Conductivity **approx. 1,11 m/(Ωmm<sup>2</sup>)**

### Fibers

Geometry: **Irregular (e.g. L-form, U-form, and so on, with an irregular surface)**

Length: **Endless, in strand approx. 10% < 0,2 m**

Strength:	<b>coarse</b>	<b>approx. 120 μm</b>
	<b>medium</b>	<b>approx. 90 μm</b>

Density: **Corresponding to the form of supply**

Heat Resistance: **Up to approx. 1200°C, depending on density, mechanical strength and atmospheric environs**

Form of supply: **Reels with a defined weight per running meter  
Fleece on bales with a defined weight per m<sup>2</sup>  
Short fibers according to customer requirements**

Stand: B Datum: 04.09.2003 erstellt/ geändert: Nohe geprüft/ freigegeben: Haag