



MATERIAL DATA SHEET

Product **STAX stainless steel fibers 1.4113**

Material **1.4113 (X6CrMo17-1)**

Chem. Analysis (%)	C	max. 0,08
	Si	max. 1,00
	Mn	max. 1,00
	P	max. 0,04
	S	max. 0,03
	Cr	16,00 - 18,00
	Mo	0,90 - 1,30
Density	approx. 7,7 g/cm³	
Heat Conductivity	approx. 25 W/(mK)	
Electrical Conductivity	approx. 1,43 m/(Ωmm²)	

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:	coarse	approx. 120 μm
	medium	approx. 90 μm
	fine	approx. 60 μm
Density:	Corresponding to the form of supply	
Heat resistance:	Up to approx. 800°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 m² Short fibers according to customer requirements	

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