

MATERIAL DATA SHEET

Product **STAX stainless steel fibers 1.4841/ 314**

Material **1.4841 (X15CrNiSi25-21)**

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

Density	ca. 7,9 g/cm³
Thermal Conductivity	ca. 14 W/(mK)
Electrical Conductivity	ca. 1,11 m/(Ωmm²)

Fibers

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

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

Strength:	coarse	ca. 120 μm
	medium	ca. 90 μm
	fine	ca. 60 μm

Density: **Corresponding to 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 m²
Short fibers according to customer requirements**



Stand: C Datum: 13.05.2019 erstellt/ geändert: Inthirakumaran geprüft/ freigegeben: Gesell