DEUTSCHES METALLFASERWERK
Dr. Schwabbauer GmbH & Co. KG

MATERIAL DATA SHEET

Product	**STAX aluminium fibers AlMg5**

Material

Aluminium AlMg5 (3.3555) EN-AW 5019

Chem. Analysis (%)

Si	**max. 0,40**
Fe	**max. 0,50**
Cu	**max. 0,10**
Mn	**0,10 - 0,60**
Mg	**4,50 - 5,60**
Cr	**max. 0,20**
Zn	**max. 0,20**
Ti	**max. 0,20**
Al	**Rest**

Density	**approx. 2,6 g/cm³**
Thermal Conductivity	**approx. 168 W/(mK)**
Electrical Conductivity	**approx. 16,5 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	**ca. 120 µm**
medium	**ca. 90 µm**
fine	**ca. 60 µm**
extra fine	**ca. 30 µm**

Density:	**corresponding to form of supply**
Heat Resistance:	**not defined**
Form of supply:	**Reels with a defined weight per running meter** **Fleece on bales with a defined weight per square meter** **Short fibers according to customer specification**



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