

# Statement

## *Declaration of compliance according to 2.1 (EN 10204)*

### **Subject: Material SiC, Female bearing, Kest Mixer**

Kest Technology AB hereby certifies that the material described below complies with the terms in this statement.

Kest Mixer female bearing described in table below, are manufactured in material SiC, according to this Statement

Female bearings are an integrated part of Kest-Mixer head, Art No:

<b>Article No:</b>	<b>Size of bearing, diameter</b>
KMS-MH-0/3...-SiC	12 mm
KM-MH-3/7...-SiC	12 mm
KM-MH-7/20...SiC	16 mm
KM-MH-20/70...SiC	20 mm
KM-MH-70/120...SiC	20 mm
KM-MH-120/230...SiC	20 mm
KM-MH-230/600...SiC	30 mm
KM-MH-600/1300...SiC	30 mm
KM-MH-1300/2200...SiC	30 mm

Material have been tested according to regulations from FDA-USA and LMBG-Germany

---

**Product Description Bearing:** Mixer Head, female bearing material SiC, part of product

**Material Name:** Frialit®- Degussit , SiC 198D SsiC- Silicon Carbide

**Manufacturer of Ceramic:** Friatec AG

**Properties of material:** SSiC, highly wear resistant, good corrosion resistance, excellent sliding properties.

**Properties of Microstructure:**

Apparent Density: 3,15 g/cm<sup>2</sup>

Open porosity : <1 %

Mean Grain Size:10µm

**Mechanical Properties 20°C:** Hardness (Knoop 100g): 26 000 N/mm<sup>2</sup>

Compressive Strength: 2500 N/mm<sup>2</sup>

Bending Strength:400 N/mm<sup>2</sup>

Modules of Elasticity:400 GPa

**Product Code Bearing:**

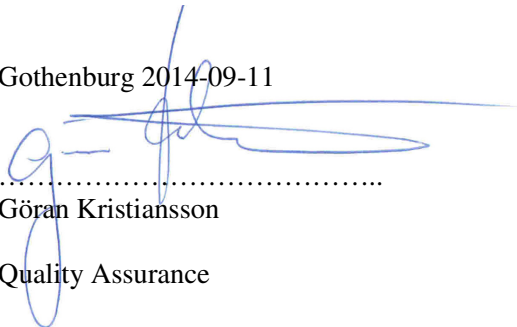
**Description**

KM-FB-12-SiC  
KM-FB-16-SiC  
KM-FB-20-SiC  
KM-FB-30-SiC

Female bearing 12 mm in SiC  
Female bearing 16 mm in SiC  
Female bearing 20 mm in SiC  
Female bearing 30 mm in SiC

---

Gothenburg 2014-09-11



.....  
Göran Kristiansson

Quality Assurance