

Property Profile Al₂O₃/SiO₂ 70/30 - Coating

- High wear resistance
- Corrosion resistance

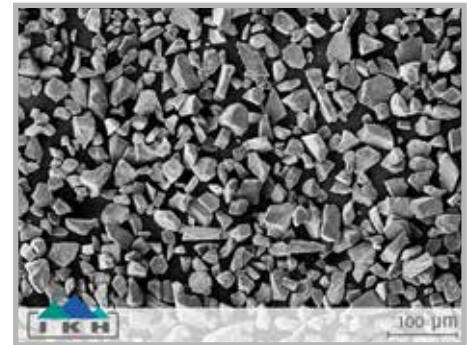
Product Number:

IKH 5001

Grain Size Distribution

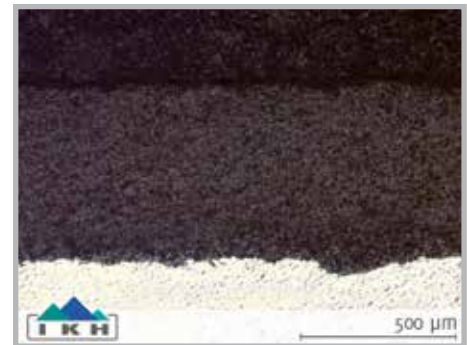
Grain Size	Distribution
20	-90 +45 μm
19	-63 +16 μm
16	-45 +22 μm
14	-45 +5 μm
08	-30 +5 μm
07	-25 +5 μm

*other grainsizes on request



Typical Chemical Composition

Al ₂ O ₃	base
SiO ₂	27 ± 3,5 %
TiO ₂	< 0,1 %
Fe ₂ O ₃	< 0,1 %
MgO	< 0,1 %
CaO	< 0,1 %
ZrO ₂	< 0,2 %



Coating Properties

Hardness: approx. 800 HV 0,3
 Applicable up to 1.000 °C

Spray Parameters

Plasmagenerator	F4
Plasma Gas Ar (SLPM)	42
Plasma Gas H ₂ (SLPM)	10
Current (A)	600
Spray Distance (mm)	120