

Property Profile Al₂O₃ - Coating

- High wear resistance due to high hardness
- Disruptive strength
- Chemical resistance

Product Number:

IKH 1301

Grain Size Distribution

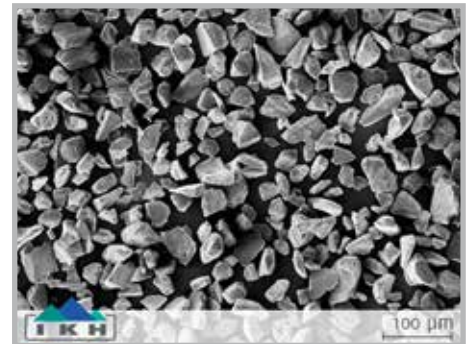
Grain Size	Distribution
20	-90 +45 μm
16	-45 +22 μm
14	-45 +5 μm
07	-25 +5 μm

*other grainsizes on request



Typical Chemical Composition

Al ₂ O ₃	base
SiO ₂	< 0,1 %
TiO ₂	< 0,1 %
Fe ₂ O ₃	< 0,1 %
MgO	< 0,1 %
CaO	< 0,1 %
Na ₂ O	< 0,2 %



Coating Properties

Hardness: approx. 1300 HV 0,3

Applicable up to 1.300 °C

Melting Point approx. 2.050 °C

Spray Parameters

Plasmagenerator	F4
Plasma Gas Ar (SLPM)	46
Plasma Gas H ₂ (SLPM)	12
Current (A)	650
Spray Distance (mm)	120

