

Property Profile Al₂O₃/TiO₂ 87/13 - Coating

- High wear resistance
- Chemical resistance against acids
- Poor wettability
- Ductility due to TiO₂-content

Product Number:

IKH 2102

Grain Size Distribution

Grain Size	Distribution
16	-45 +22 µm
14	-45 +5 µm
09	-30 +10 µm
07	-25 +5 µm

*other grainsizes on request

Typical Chemical Composition

Al ₂ O ₃	base
SiO ₂	< 0,5 %
TiO ₂	~13,0 %
Fe ₂ O ₃	< 0,2 %
MgO	< 0,1 %
CaO	< 0,1 %

Coating Properties

Hardness: approx. 1000 HV 0,3

Applicable up to 550 °C

Good Grinding and Polishing Properties

Spray Parameters

Plasmagenerator	F4
Plasma Gas Ar (SLPM)	40
Plasma Gas H ₂ (SLPM)	14
Current (A)	550
Spray Distance (mm)	120



© Clemens Scheumann / PIXELIO

