

Property Profile Cr₂O₃ - Coating

- High wear resistance
- Chemical resistance
- Laser engravable
- Good ink receptivity

Product Number:

IKH 6003

Grain Size Distribution

Grain Size	Distribution
27	-45 +22 μm
26	-38 +10 μm
24	-30 +10 μm
29	-26 +10 μm
23	-25 +5 μm

* other grainsizes on request

Typical Chemical Composition

Cr ₂ O ₃	base
SiO ₂	< 0,1 %
TiO ₂	< 0,1 %
Fe ₂ O ₃	< 0,1 %
MgO	< 0,1 %
CaO	< 0,1 %
Al ₂ O ₃	< 0,1 %
Cr met.	< 0,1 %

Coating Properties

Hardness: approx. 1250 HV
 Applicable up to 500°C
 Porosity: < 2,5 %
 Bond coat: IKH 316 L

Spray Parameters

Plasmagenerator	F4
Injector / Angel	1.8 / 90°
Plasma Gas Ar (SLPM)	55
Plasma Gas H ₂ (SLPM)	9
Current (A)	550
Spray Distance (mm)	140

