

POWDERS FOR THERMAL SPRAYING

Number
Issue

PD-5222
0-31.10.2007

AMPERIT[®] 707

Chemical Formula Cr_2O_3 99.5 %

Chemical Name Chromium Oxide 99.5 %

Description of Product Fused

Grades Available

Product Designation

AMPERIT [®] 707.000	22/5 μm	AMPERIT [®] 707.054	45/10 μm
AMPERIT [®] 707.001	45/22 μm	AMPERIT [®] 707.072	38/10 μm
AMPERIT [®] 707.053	25/10 μm	AMPERIT [®] 707.092	75/25 μm

Chemical Characteristics

(Mass fraction in % [cg/g]; ppm [$\mu\text{g/g}$])

SiO_2	max. 0.25 %
TiO_2	max. 0.15 %
Fe_2O_3	max. 0.10 %
Acid soluble Chromium	max. 0.15 %
Cr_2O_3	balance

Physical Characteristics

Particle Size Distribution¹⁾

	707.000	707.001	707.053
- 88 μm		100 %	
- 62 μm	100 %	min. 95 %	100 %
- 31 μm	min. 90 %		min. 85 %
- 15 μm		max. 5 %	
- 11 μm			max. 10 %
- 5.5 μm	max. 5 %		
	707.054	707.072	707.092
- 125 μm			100 %
- 88 μm	100 %		min. 90 %
- 62 μm	min. 95 %	100 %	
- 44 μm		min. 95 %	
- 22 μm			max. 10 %
- 11 μm	max. 10 %	max. 10 %	

1) MICROTRAC by Laser Light Diffraction per ASTM C 1070.

Number PD-5222
Issue 0-31.10.2007

Packaging	Standard Packaging: 5 kg in 2.5 l PE bottle, 6 bottles in one carton (300 x 400 x 300 mm) 1 carton = 30 kg, 10 cartons on one CP 1 pallet (1000 x 1200 mm) one packaging unit of 300 kg (height including pallet = approx. 450 mm)
Hazards identification in Advertising (Directive 67/548/EEC Article 26 and Directive 1999/45/EC Article 13)	none.
Documentation	An inspection document in accordance with EN 10204 is supplied with every shipment.
Remarks	Always mix well before using.

H.C. Starck GmbH
P.O. Box 25 40
38615 Goslar/Germany
Phone +49 5321 751-3961, Fax +49 5321 751-4961