

AMPERIT[®] 470

Chemical Formula	CoCrTaAlCSiY - Al ₂ O ₃ 90-10
Chemical Name	CoCrTaAlCSiY - Al ₂ O ₃ 90-10
Description of Product	Blended
Grades Available	Product Designation
	AMPERIT [®] 470.001 45/22 µm
	AMPERIT [®] 470.054 45/10 µm

Chemical Characteristics

(Mass fraction in % [cg/g]; ppm [µg/g])

CoCrTaAlCSiY

Cr	23 - 27	%
Ta	7 - 9	%
Al	6.5- 8.5	%
C	0.6- 0.9	%
Si	0.6- 0.9	%
Y	0.6- 0.9	%
Co	balance	

Al₂O₃

SiO ₂	max. 0.1	%
Fe ₂ O ₃	max. 0.05	%
Na ₂ O	max. 0.3	%
Al ₂ O ₃	balance	

Physical Characteristics

Particle Size Distribution **470.001** **470.054**

CoCrTaAlCSiY

+ 45 μm^*	max. 7 %	max. 7 %
- 22 μm	max. 15 %	max. 15 %

Al₂O₃

- 88 μm	min. 100 %	
- 62 μm	min. 95 %	min. 100 %
- 44 μm		min. 99 %
- 31 μm		min. 90 %
- 22 μm		80 - 95 %
- 16 μm		55 - 75 %
- 15 μm	max. 5 %	
- 11 μm		max. 47 %
- 5.5 μm		max. 10 %
- 3.9 μm		max. 5 %
- 2.8 μm		max. 2.5 %
- 1.4 μm		max. 0.2 %

D 10 %	min. 18 μm
D 50 %	30 - 35 μm
D 90 %	max. 56 μm

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, 8 cartons on one CP 5 pallet (800 x 1000 mm)
one packaging unit of 150 kg (height including pallet = approx. 450 mm)

Storage and Handling Storage and handling are subject to the rules and regulations in the country of use.

Hazards identification in Advertising (REGULATION (EC) No 1272/2008 Article 48)
harmful.

Documentation An inspection document in accordance with EN 10204 is supplied with every shipment.

Remarks Always mix well before using.
Other grain sizes on request.

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