

AMPERIT[®] 415

Chemical Formula	MCrAlY
Chemical Name	CoNiCrAlY
Description of Product	Gas Atomized

Particle Sizes Available	Product Designation
	AMPERIT [®] 415.006 125/45 µm
	AMPERIT [®] 415.079 90/53 µm
	AMPERIT [®] 415.002 90/45 µm
	AMPERIT [®] 415.063 75/45 µm
	AMPERIT [®] 415.001 45/22 µm
	AMPERIT [®] 415.072 38/10 µm

Chemical Characteristics

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

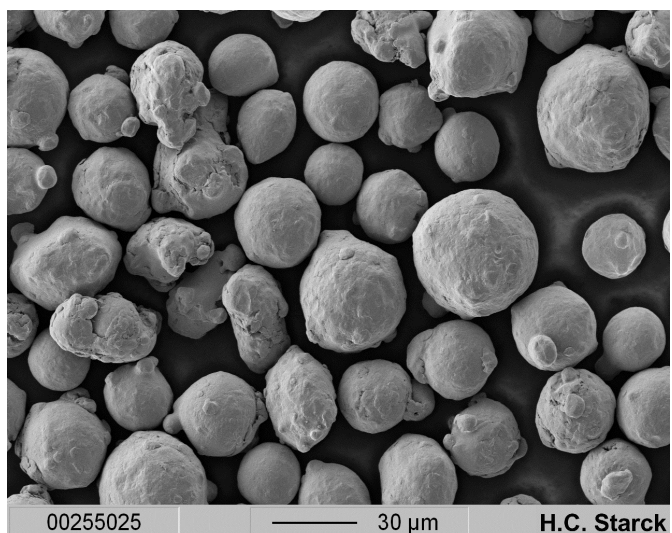
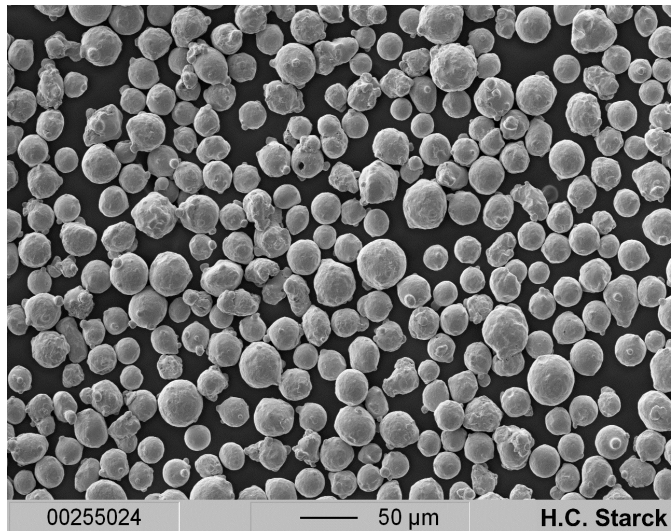
Ni	31.0 -	33.0 %
Cr	20.0 -	22.0 %
Al	7.0 -	9.0 %
Y	0.35 -	0.65 %
Co	remainder	

Physical Characteristics

Particle Size Distribution	415.006	415.079	415.002
	+ 125 µm max. 5 % ²⁾	+ 90 µm max. 5 % ²⁾	+ 90 µm max. 5 % ²⁾
	- 45 µm max. 10 % ²⁾	- 53 µm max. 5 % ²⁾	- 45 µm max. 10 % ²⁾
	415.063	415.001	415.072
	+ 75 µm max. 5 % ²⁾	+ 45 µm max. 5 % ²⁾	+ 38 µm max. 5 % ²⁾
	- 45 µm max. 10 % ²⁾	- 22 µm max. 7 % ¹⁾	- 10 µm max. 7 % ¹⁾
		≤ 10 µm max. 0 % ¹⁾	

1) MICROTRAC by Laser Light Diffraction per ASTM C 1070, 2) ROTAP Screening per ASTM B 214.

SEM picture³⁾



Packaging	Standard Packaging 5 kg in one 2.5 l PE bottle, 6 bottles (30 kg) in one cardboard box.
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)	Carcinogenicity Category 1B Carcinogenicity Category 2 Specific target organ toxicity - repeated exposure Category 1 Respiratory sensitization Category 1 Skin sensitization Category 1 Reproductive toxicity Category 2 Eye irritation Category 2 Acute aquatic toxicity Category 1 Acute aquatic toxicity Category 4 Chronic aquatic toxicity Category 1
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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