

AMPERIT[®] 422, SICOAT[®] 2231

(Proprietary Powder composition of SIEMENS, DGTLV-511114001 Index H)

Description of Product Ni-based MCrAlY, Gas Atomized

Particle Sizes Available	Product Designation
	AMPERIT [®] 422.002 90/45 µm
	AMPERIT [®] 422.063 75/45 µm
	AMPERIT [®] 422.001 45/22 µm
	AMPERIT [®] 422.054 45/10 µm
	AMPERIT [®] 422.072 38/10 µm

Physical Characteristics

Particle Size Distribution

422.002

+ 90 µm max. 5 %²⁾
- 45 µm max. 10 %²⁾

D 10 % 39 - 50 µm¹⁾
D 50 % 59 - 80 µm¹⁾
D 90 % 84 - 95 µm¹⁾

Ma min. 50 µm¹⁾

422.001

+ 45 µm max. 5 %²⁾
- 22 µm max. 7 %¹⁾
- 10 µm 0 %¹⁾

422.072

+ 38 µm max. 5 %²⁾
- 10 µm max. 7 %¹⁾

422.063

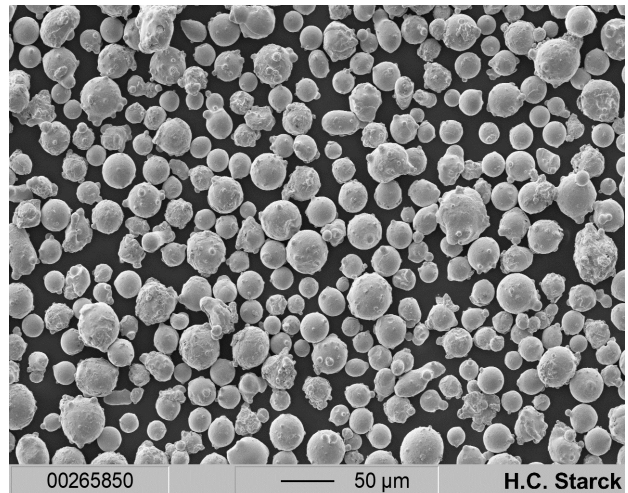
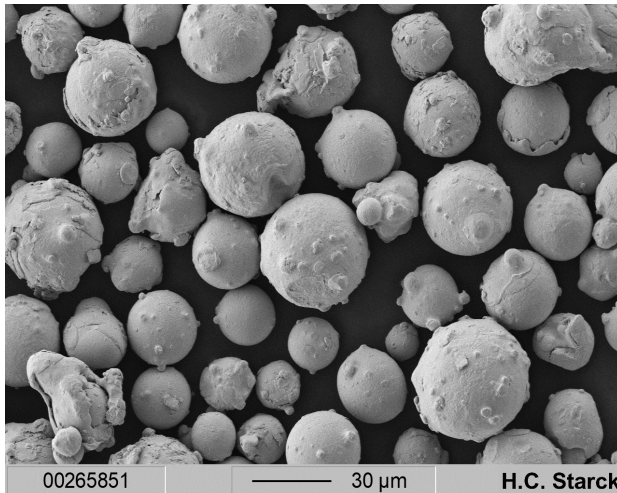
+ 75 µm max. 5 %²⁾
- 45 µm max. 10 %²⁾

422.054

+ 45 µm max. 5 %²⁾
- 10 µm max. 7 %¹⁾

1) MICROTRAC by Laser Light Diffraction per ASTM B 822, 2) ROTAP Screening per ASTM B 214.

SEM pictures³⁾



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)	Acute aquatic toxicity Category 1 Acute toxicity Category 4 Carcinogenicity Category 1B Carcinogenicity Category 2 Chronic aquatic toxicity Category 1 Eye irritation Category 2 Reproductive toxicity Category 2 Respiratory sensitisation Category 1 Skin sensitisation Category 1 Specific target organ toxicity – repeated exposure 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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3) Secondary Electron Image (SEI).