

AMPERIT[®] 429, SICOAT[®] 2464

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

Description of Product Ni-based MCrAlY, Gas Atomized

Particle Sizes Available	Product Designation
	AMPERIT [®] 429.002 90/45 µm
	AMPERIT [®] 429.063 75/45 µm
	AMPERIT [®] 429.001 45/22 µm
	AMPERIT [®] 429.087 38/15 µm

Physical Characteristics

Particle Size Distribution

429.002

+ 90 µm	max. 5 % ²⁾
- 45 µm	max. 10 % ²⁾
D 10 %	39 - 50 µm ¹⁾
D 50 %	59 - 80 µm ¹⁾
D 90 %	84 - 95 µm ¹⁾
Ma	min. 50 µm ¹⁾

429.001

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

429.063

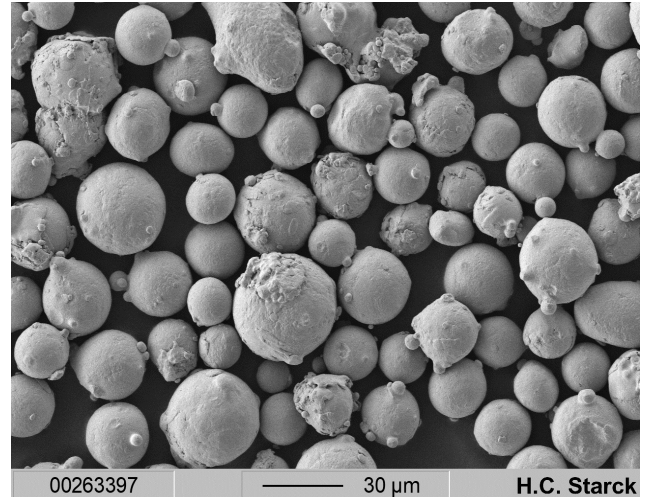
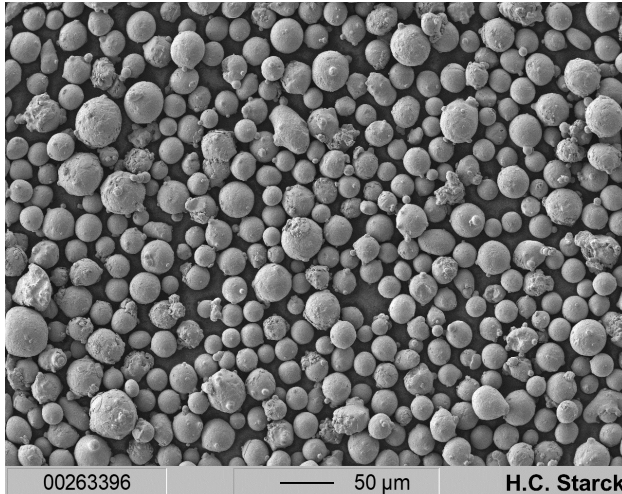
+ 75 µm	max. 5 % ²⁾
- 45 µm	max. 10 % ²⁾

429.087

+ 38 µm	max. 5 % ²⁾
- 15 µm	max. 7 % ¹⁾

1) MICROTRAC by Laser Light Diffraction per ASTM C 1070, 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)	Skin sensitization Category 1 Eye irritation Category 2 Acute toxicity Category 4 Carcinogenicity Category 1B Respiratory sensitization Category 1 Carcinogenicity Category 2 Specific target organ toxicity – repeated exposure Category 1 Reproductive toxicity Category 2 Acute aquatic toxicity Category 1 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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