

AMPERIT[®] 453, SICOAT[®] 2479 (Proprietary Powder composition of SIEMENS, DGTLV-511114001 Index H)

Description of Product NiCoCrAlYTa, Gas Atomized

Particle Sizes Available	Product Designation
	AMPERIT [®] 453.002 90/45 µm
	AMPERIT [®] 453.063 75/45 µm
	AMPERIT [®] 453.001 45/22 µm
	AMPERIT [®] 453.087 38/15 µm

Physical Characteristics

Particle Size Distribution

453.002		453.063	
+90 µm	max. 7 % ²⁾	+ 75 µm	max. 7 % ²⁾
- 45 µm	max. 13 % ²⁾	- 45 µm	5 - 13 % ²⁾
D 10 %	39 - 50 µm ¹⁾		
D 50 %	59 - 80 µm ¹⁾		
D 90 %	84 - 95 µm ¹⁾		
Ma	min. 50 µm ¹⁾		
453.001		453.087	
+45 µm	max. 7 % ²⁾	+ 62 µm	0 % ¹⁾
- 88 µm	information ¹⁾	62 - 44 µm	max. 5 % ¹⁾
- 62 µm	information ¹⁾	44 - 31 µm	information ¹⁾
- 44 µm	information ¹⁾	31 - 22 µm	information ¹⁾
- 31 µm	information ¹⁾	22 - 16 µm	information ¹⁾
- 22 µm	max. 15 % ¹⁾	16 - 11 µm	max. 10 % ¹⁾
- 16 µm	information ¹⁾	- 11 µm	0 % ¹⁾
- 11 µm	information ¹⁾		
- 7.8 µm	information ¹⁾		

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

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 2 Skin sensitization Category 1 Eye irritation Category 2 Respiratory sensitization Category 1 Reproductive toxicity Category 2 Specific target organ toxicity – repeated exposure Category 1 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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