

## AMPERIT<sup>®</sup> 251

<b>Chemical Formula</b>	NiCr 80-20
<b>Chemical Name</b>	Nickel-Chromium 80-20
<b>Description of Product</b>	Gas Atomized
<b>Particle Sizes Available</b>	<b>Product Designation</b>
	AMPERIT <sup>®</sup> 251.002 90 / 45 µm
	AMPERIT <sup>®</sup> 251.001 45 / 22 µm
	AMPERIT <sup>®</sup> 251.051 12 / 5 µm

### Chemical Characteristics

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

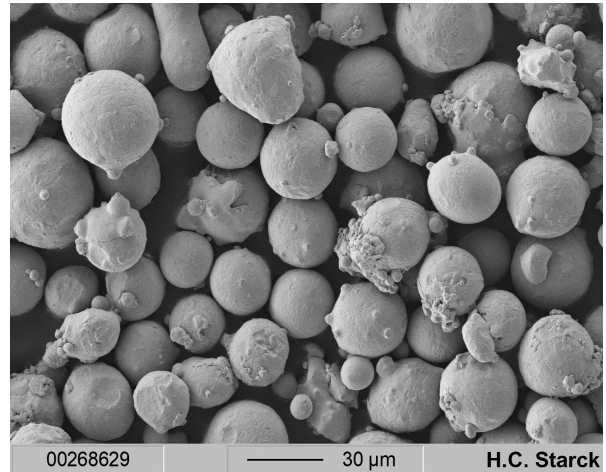
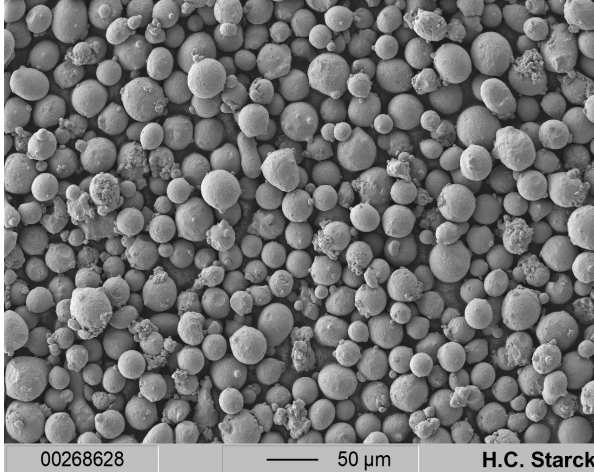
Cr	18 - 21	%
Fe	max. 0.1	%
Si	max. 1.0	%
Mn	max. 0.05	%
C	max. 0.05	%
Ni	balance	

### Physical Characteristics

Particle Size Distribution	251.002	251.001
+ 90 µm	max. 5 % <sup>1)</sup>	
+ 45 µm		max. 5 % <sup>1)</sup>
- 45 µm	max. 10 % <sup>1)</sup>	
- 22 µm		max. 7 % <sup>2)</sup>
- 10 µm		0 % <sup>2)</sup>
	<b>251.051</b>	
D 90 %	max. 15 µm <sup>2)</sup>	
D 50 %	information	
D 10 %	information	

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

## SEM pictures<sup>3)</sup>



## 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)

Carcinogenicity Category 2  
Specific target organ toxicity – repeated exposure Category 1  
Skin sensitization Category 1  
Chronic aquatic toxicity Category 3

## 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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