

## AMPERIT<sup>®</sup> 578

<b>Chemical Formula</b>	Cr <sub>3</sub> C <sub>2</sub> - NiCr 80-20
<b>Chemical Name</b>	Chromium Carbide - Nickel-Chromium 80-20
<b>Description of Product</b>	Agglomerated, Sintered
<b>Particle Sizes Available</b>	<b>Product Designation</b>
	AMPERIT <sup>®</sup> 578.074 45/15 µm
	AMPERIT <sup>®</sup> 578.059 30/ 5 µm

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### Chemical Characteristics

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

Ni	14.0 - 16.0	%
C <sub>tot</sub>	9.0 - 10.5	%
Fe	max. 0.50	%
O	max. 0.60	%
Cr	balance	

### Physical Characteristics

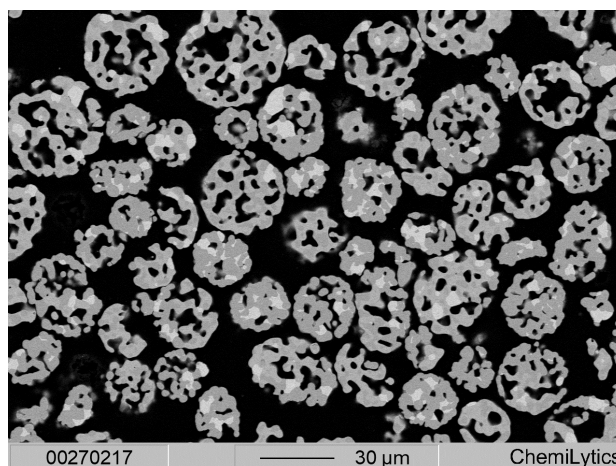
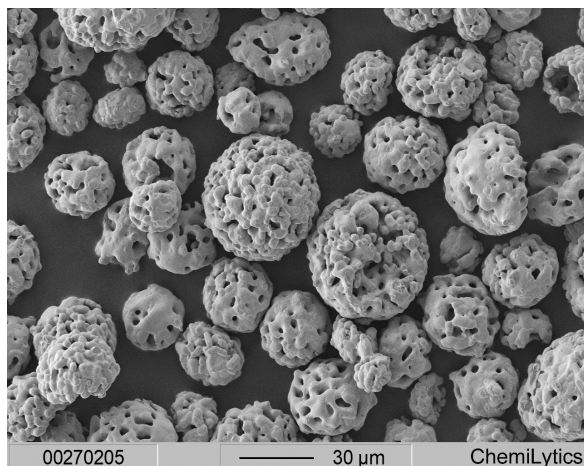
Particle Size Distribution<sup>1)</sup>

	<b>578.074</b>		<b>578.059</b>	
- 88 µm	100	%	100	%
- 62 µm			min. 99.5	%
D 90 %	50 - 60	µm	27 - 37	µm
D 50 %	31 - 39	µm	17 - 23	µm
D 10 %	18 - 22	µm	9 - 13	µmm
Apparent Density	2.2 - 3.0	g/cm <sup>3</sup>	2.4 - 3.2	g/cm <sup>3</sup>
	acc. ASTM B 417		acc. ASTM B 212	

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1) MICROTRAC by Laser Light Diffraction per ASTM C 1070.

## SEM pictures<sup>2)</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 Article 48)

Carcinogenicity Category 2  
Specific target organ toxicity - repeated exposure Category 1  
Skin sensitization Category 1

## Documentation

An inspection document in accordance with EN 10204 is supplied with every shipment.

## Remarks

Always mix well before using.

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2) Secondary Electron Image (SEI).