

AMPERIT[®] 526

Chemical Formula WC-Co 83-17
Chemical Name Tungsten Carbide-Cobalt 83-17
Description of Product Agglomerated, Sintered

Grades Available	Product Designation
	AMPERIT [®] 526.077 63/32 µm
	AMPERIT [®] 526.088 53/20 µm
	AMPERIT [®] 526.062 53/10 µm
	AMPERIT [®] 526.074 45/15 µm
	AMPERIT [®] 526.059 30/ 5 µm

Chemical Characteristics

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

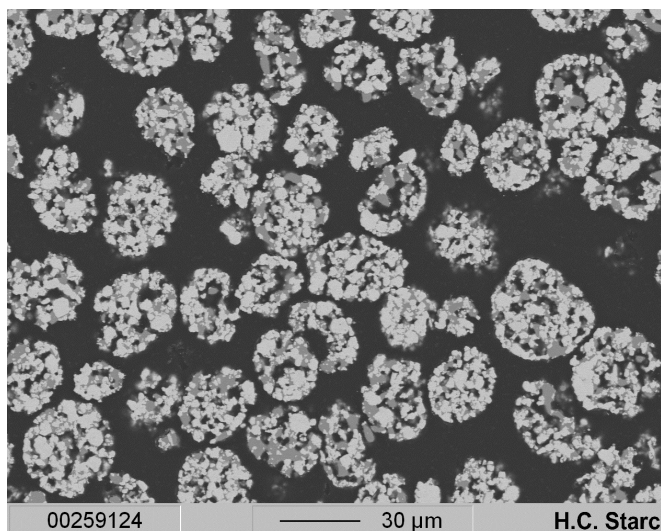
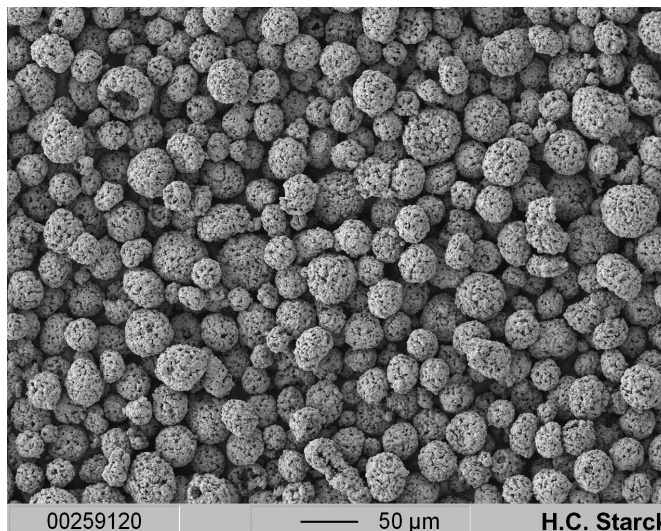
Co	15.0 - 18.0 %
C	4.9 - 5.3 %
Fe	max. 0.20 %
W	balance

Physical Characteristics

	526.077	526.088	526.062	526.074	526.059
Particle Size Distribution					
- 125 µm ¹⁾		100 %			
- 88 µm ¹⁾			100 %	100 %	
- 62 µm ¹⁾					100 %
- 44 µm ¹⁾					99 %
+ 63 µm ²⁾	max. 5 %				
- 38 µm ²⁾	max. 20 %				
D 90 % ¹⁾		61 - 71 µm	51 - 59 µm	49 - 57 µm	25 - 33 µm
D 50 % ¹⁾		35 - 43 µm	31 - 37 µm	31 - 37 µm	15 - 21 µm
D 10 % ¹⁾		21 - 25 µm	17 - 22 µm	18 - 22 µm	9 - 13 µm
Apparent Density ³⁾⁴⁾					
	3.8 - 4.4 g/cm ³	3.8 - 4.4 g/cm ³	3.8 - 4.4 g/cm ³	3.8 - 4.4 g/cm ³	4.2 - 4.8 g/cm ³
	ASTM B 212	ASTM B 212	ASTM B 212	ASTM B 212	ASTM B 417

1) MICROTRAC by Laser Light Diffraction per ASTM C 1070, 2) ROTAP Screening per ASTM B 214, 3) HALL FLOWMETER FUNNEL per ASTM B 212, 4) CARNEY FUNNEL per ASTM B 417.

SEM picture⁵⁾
scale see photograph



Number	PD-4028
Issue	7-12.12.2017

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 1B Respiratory sensitisation Category 1 Skin sensitisation Category 1 Eye irritation Category 2 Reproductive toxicity Category 2 Acute aquatic toxicity Category 1 Chronic aquatic toxicity Category 2
Documentation	An inspection document in accordance with EN 10204 is supplied with every shipment.
Remarks	Always mix well before using.

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