

AMPERIT[®] 558

Chemical Formula	WC-Co-Cr 86-10-4
Chemical Name	Tungsten Carbide-Cobalt-Chromium 86-10-4
Description of Product	Agglomerated, Sintered
Grades Available	Product Designation
	AMPERIT [®] 558.074 45/15 µm
	AMPERIT [®] 558.088 53/20 µm
	AMPERIT [®] 558.059 30/ 5 µm

Chemical Characteristics

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

	558.074	558.088	558.059
Co	9 - 11 %	9 - 11 %	8.5 - 11 %
Cr	3 - 5 %	3 - 5 %	3 - 5 %
Fe	max. 0.3 %	max. 0.3 %	max. 0.3 %
C	5 - 6 %	5 - 6 %	5 - 6 %
O	max. 0.2 %	max. 0.2 %	max. 0.2 %
W	balance	balance	balance

Physical Characteristics

Particle Size Distribution¹⁾

- 125 µm		100	%	
- 88 µm	100		%	
- 62 µm				100 %
- 44 µm				99 %
D 90 %	50 - 60 µm	58 - 68 µm		25 - 33 µm
D 50 %	29 - 37 µm	34 - 42 µm		15 - 21 µm
D 10 %	18 - 22 µm	21 - 25 µm		9 - 13 µm
Apparent Density	4.7 - 5.6 g/cm ³ acc. ASTM B 212	4.7 - 5.6 g/cm ³ acc. ASTM B 212		4.7 - 5.6 g/cm ³ acc. ASTM B 417

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

Number	PD-4049
Issue	3-23.01.2008

Packaging	Standard Packaging for 5 kg / 10 lbs 2.5 l PE bottle.
Storage and Handling	Storage and handling are subject to the rules and regulations in the country of use.
Hazards identification in Advertising (Directive 67/548/EEC Article 26 and Directive 1999/45/EC Article 13)	sensitising.
Documentation	An inspection document in accordance with EN 10204 is supplied with every shipment.

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