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 Distribution[1)]			
- 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/cm³ acc. ASTM B 212	4.7 - 5.6 g/cm³ acc. ASTM B 212	4.7 - 5.6 g/cm³ acc. ASTM B 417

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

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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