

AMPERIT[®] 381 CCA4

Chemical Formula	FeVCrCWMoMnSi
Description of Product	Gas Atomized
Grades Available	Product Designation
	AMPERIT [®] 381.071 25/5 µm
	AMPERIT [®] 381.088 53/20 µm

Chemical Characteristics

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

V	16.5 - 17.1	%
Cr	12.0 - 14.0	%
C	3.7 - 4.0	%
W	1.1 - 1.5	%
Mo	0.6 - 1.0	%
Mn	0.3 - 0.7	%
Si	0.4 - 1.1	%
Fe	balance	

Physical Characteristics

(Grain Size Distribution and Tolerances above / below max. in %)

Particel Size Distribution	381.088		
+ 53 µm	max.	5	% ¹⁾
- 20 µm	max.	7	% ²⁾
- 10 µm	max.	0	% ²⁾
	381.071		
D 90 %	25 - 35	µm	
D 50 %	15 - 20	µm	
D 10 %	7 - 12	µm	

1) ROTAP Screening per ASTM B 214, 2) MICROTRAC by Laser Light Diffraction per ASTM B 822.

Packaging	Standard Packaging: 5 kg in 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)	None.
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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