

VANADIUM CARBIDE

Description of Product Vanadium carbide is used in the production of solid vanadium carbide grades of hardmetal in the manufacture of mixed crystal.

Grades Available

Product Designation

VC HV 160
VC HV 100

Chemical Characteristics¹⁾

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

	VC HV 160	VC HV 100
C _{total}	max. 18.5 %	max. 18.5 %
C _{free}	max. 1.5 %	max. 1.5 %
C _{combined}	min. 16.5 %	min. 16.5 %
O	max. 0.8 %	max. 1.4 %
Fe	max. 1200 ppm	max. 1200 ppm
Ca	max. 80 ppm	max. 80 ppm
Al	max. 100 ppm	max. 100 ppm
N	max. 2000 ppm	max. 2000 ppm

Physical Characteristics

Grades	Fisher number (as supplied)
VC HV 160	1.3 - 2.0 μ m
VC HV 100	0.9 - 1.3 μ m

1) Information on chemical analytical methods and list of analyzed items on request.

Packaging	Standard Packaging: 25 kg in 30 l steel drum with polyethylene inlet. Other kinds of packaging are available on request.
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)	None.
Documentation	An inspection document in accordance with EN 10204 is supplied with every shipment.

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