

Vanadium Carbide VC

Application

Vanadium carbide is used as a grain growth inhibitor for sintering WC/Co hard metals and as an additive to "Cermets" alloys.

Chemical Characteristics

Elements	VC fine	VC standard
	%	%
C free	1.5 max	0.30 max
C total	17.2 – 18.2	16.5 – 17.3
O ¹	0.80 max	0.50 max

All Grades

Elements	%
Al	0.01 max
Ca	0.01 max
Fe	0.03 max
N	0.10 max
S	0.008 max
Si	0.01 max

Physical Characteristics

Grade	FSSS
	µm
fine	0.9 – 1.4
standard	1.5 – 2.5



Packing

- 50 kg in 40 l coated steel drums with rubber sealing and silica gel.
- Material in PE- Bag

Maximum Lot Size

- 500 kg

Inspection certificate according
 DIN EN 10204 3.1

¹ VC has hygroscopic properties. Therefore it is packed in sealed drums with silica gel. Immediate oxygen pick up will occur unless kept under dry conditions after the drum is opened.