

## TITANIUM CARBIDE (HIGH VACUUM)

**Description of Product** TiC is used in the production of solid titanium carbide grades of hardmetal and in the manufacture of mixed crystal (triple / tetra carbide) and black ceramics.

**Grades Available**

**Product Designation**

TiC HV 120  
TiC HV 250

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**Chemical Characteristics<sup>1)</sup>**

(Mass fraction in % [cg/g]; ppm [ $\mu$ g/g])

	<b>TiC HV 120</b>	<b>TiC HV 250</b>
C <sub>total</sub>	max. 19.6 %	max. 19.6 %
C <sub>free</sub>	max. 0.15 %	max. 0.15 %
C <sub>combined</sub>	min. 19.1 %	min. 19.1 %
O	max. 1.0 %	max. 0.5 %
N	max. 0.2 %	max. 0.2 %
Ca	max. 100 ppm	max. 100 ppm
Fe	max. 2500 ppm	max. 2500 ppm
Na	max. 100 ppm	max. 100 ppm
S	max. 100 ppm	max. 100 ppm
Si	max. 150 ppm	max. 150 ppm

**Physical Characteristics**

Fisher number (as supplied)      1.0 - 1.5  $\mu$ m      2.0 - 3.0  $\mu$ m

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

**Packaging** Standard Packaging:  
TiC HV 120: 25 kg in a specially coated 30 l steel drum with a polyethylene bag  
TiC HV 250: 50 kg in a specially coated 30 l steel drum with a polyethylene bag

**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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