

TITANIUM CARBIDE STANDARD

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 STD 120
TiC STD 250

Chemical Characteristics¹⁾

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

	TiC STD 120		TiC STD 250	
C _{total}	min.	19.2 %	min.	19.2 %
C _{free}	max.	0.5 %	max.	0.5 %
C _{combined}	min.	18.7 %	min.	18.7 %
O	max.	1.3 %	max.	0.8 %
N	max.	0.3 %	max.	0.3 %
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 μ m 2.0 - 3.0 μ m

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

Packaging	Standard Packaging TiC STD 120: 25 kg in a specially coated 30 l steel drum with a polyethylene bag. TiC STD 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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