

Titanium Carbide *TiC*

Application

Titanium carbides are used for manufacturing cermets, ceramics and TiC-based hard metals with iron binder. Though minor wettability compared to mixed crystals TiC is also used as an additive to P-type WC/Co hard metals.

Chemical Characteristics

Elements	%	Elements	%
Al	0.01 max	O for „coarse“	0.40 max
C free	0.50 max	O for „standard“	0.60 max
C total	19.0 – 19.9	O for „fine“	0.80 max
Ca	0.01 max		
Fe	0.03 max		
N	0.20 max		
S	0.01 max		
Si	0.01 max		
W ¹	1.00 max		

Physical Characteristics

Grade	FSSS
	µm
fine	1.0 – 1.4
standard	1.4 – 2.0
coarse	2.0 – 3.0



Packing

- 50 kg in 40 l coated steel drums with rubber sealing
- Material in PE- Bag

Maximum Lot Size

- 1.000 kg

Inspection certificate according
DIN EN 10204 3.1

¹ W free high purity grades on request