

TITANIUM CARBONITRIDE Ti(C,N) 50/50 (GRADE A, B, C)

Description of Product Titanium Carbonitride for cermet tools and composites is available in three standard grades. Grades A, B and C are standard grades with increasing fineness and decreasing size of agglomerates from Grade A to Grade C. The C/N-ratio can be adjusted to customers needs upon request. Ti(C,N) 30/70 and 70/30 are also available.

Grades Available **Product Designation**
Grade A
Grade B
Grade C

Chemical Characteristics¹⁾ (Mass fraction in % [cg/g]; ppm [µg/g])

Ti(C, N) 50/50	Grade A	Grade B	Grade C
C _{total}	9.5 - 10.5 %	9.5 - 10.5 %	9.3 - 10.3 %
C _{free}	max. 0.05 %	max. 0.05 %	max. 0.05 %
N	10.5 - 11.5 %	10.5 - 11.5 %	10.3 - 11.3 %
O	max. 0.8 %	max. 1.0 %	max. 1.5 %

Physical Characteristics

Fisher number (as supplied) 2.0 - 5.0 µm 1.3 - 2.0 µm 1.0 - 1.3 µm

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

Number PD-5203
 Issue 0-15.09.2005
 Former No. 3.1.2.PD-HML 700
 Previous Issue 2-01.99

Packaging

Product Designation	Packaging according to transport regulations		Material Number
	Packaging	Packaging unit	
Titanium Carbonitride 50/50 Grade A	25 kg in a specially coated 15 l steel drum with a polyethylene bag.	200 kg in 8 drums on CP 1 pallet.	01000375 (CPS)
Titanium Carbonitride 50/50 Grade A	100 kg in a specially coated 60 l steel drum with a polyethylene bag	600 kg in 6 drums on CP 5 pallet.	01024299
Titanium Carbonitride 50/50 Grade B	25 kg in a specially coated 15 l steel drum with a polyethylene bag.	200 kg in 8 drums on CP 1 pallet.	01000376 (CPS)
Titanium Carbonitride 50/50 Grade B	50 kg in a specially coated 60 l steel drum with a polyethylene bag	300 kg in 6 drums on CP 5 pallet.	01022210
Titanium Carbonitride 50/50 Grade C	10 kg in a specially coated 15 l steel drum with a polyethylene bag.	80 kg in 8 drums on CP 1 pallet.	01000377 (CPS)
Titanium Carbonitride 50/50 Grade C	25 kg in a specially coated 30 l steel drum with a polyethylene bag	300 kg in 6 drums on CP 5 pallet.	01022202

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 (Directive 67/548/EEC Article 26, Directive 1999/45/EC Article 13 and 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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