

TITANIUM CARBONITRIDE Ti(C, N) 70/30 GRADE A, B, C

Description of Product Titanium carbonitride for cermet tools and composites is available in three standard grades with increasing fineness and decreasing size of agglomerates from Grade A to Grade C. The C/N-ratio can be adjusted to customer needs upon request. Ti(C,N) 30/70 and 50/50 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) 70/30	Grade A	Grade B	Grade C
C _{total}	13.0 - 14.0 %	13.0 - 14.0 %	13.0 - 14.0 %
C _{free}	max. 0.05 %	max. 0.05 %	max. 0.05 %
N	6.8 - 7.8 %	6.8 - 7.8 %	6.8 - 7.8 %
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
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1) Information on chemical analytical methods and list of analyzed items on request.

Packaging

Product Designation	Packaging according to transport regulations		Material Number
	Packaging	Packaging unit	
Ti(C, N) 70/30 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.	01027899
Ti(C, N) 70/30 Grade B	50 kg in a specially coated 60 l steel drum with a polyethylene bag	400 kg in 8 drums on CP 1 pallet.	01022211
Ti(C, N) 70/30 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.	01031744

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 (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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