

NumberPD-4020Issue7-25.07.2016

ALPHA-SILICON NITRIDE GRADE M 11 HIGHER PURITY COARSE

Chemical Formula	α -Si ₃ N ₄
Chemical Name	Silicon Nitride
Description of Product	Higher Purity Si ₃ N ₄
HS Number	28500030
Grades Available	Product Designation $Si_{3}N_{4}$ Grade M 11 higher purity coarse

Chemical Characteristics

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

Grade M 11 hp coarse

Ν	min.	38.0 %
С	max.	0.3 %
0	max.	2.0 %
AI	max.	0.005 %
Са	max.	0.001 %
Fe	max.	0.001 %
Со	max.	0.005 %
Cr	max.	0.001 %
Cu	max.	0.005 %
К	max.	0.001 %
Mg	max.	0.001 %
Mn	max.	0.001 %
Мо	max.	0.001 %
Na	max.	0.001 %
Ni	max.	0.001 %

Physical Characteristics

Specific Surface Area ¹⁾	9.0	- 12.0	m²/g
Particle Size Distribution ²⁾			
D 90 %	1.5	- 2.5	μm
D 50 %	0.7	- 0.9	μm
D 10 %	0.2	0.5	μm

¹⁾ TRISTAR by BET (ASTM D 3663), 2) MASTERSIZER by Laser Light Diffraction per ASTM B 822,

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Packaging	25 kg steel drums with polyethylene inlet. (60 Liter) 8 drums on one pallet CP1 (1000x1200 mm) = 1 Packaging-unit of 200 kg.		
	Other packaging / quantity on request.		
	Lot Size		
	Höganäs silicon nitride powders are available in		
	homogeneous lots up to 5 tons.		
Storage and Handling	Storage and handling are subject to the rules and regulations in the country of use. Store in a closed container.		
Hazards identification ir	Advertising (REGULATION (EC) No 1272/2008)		
	None.		
Documentation	An inspection document in accordance with EN 10204 is supplied with every shipment.		

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