



ALMATIS

PREMIUM ALUMINA



Provisional Product Data

Calcined Aluminas for Polishing PSG 140

Aluminum oxide is the most widely used polishing medium. As an inorganic product, it has one important advantage over natural materials used for polishing: the physical properties and chemical compositions are constant regardless of the pressure or temperature experienced during use. PSG 140 leads with a tight particle size distribution to a product with which you can achieve high cutting performance and in parallel good pre-polishing result.

Product / Properties		
Unground	Unit	typical
Calcination degree		high
Primary crystal size	µm	3
Al ₂ O ₃ content	[%]	99
Chemical Analysis		
Na ₂ O	[%]	0.15
Fe ₂ O ₃	[%]	0.03
Particle Size		
		typical
> 125 µm	[%]	0.5
> 90 µm	[%]	5
> 63 µm	[%]	15-45
Particle size D50	µm	45
Specific surface area/BET	m ² /g	0.4 – 0.6
Loose bulk density	g/l	700-1000
Oil absorption	[%]	35-50
Cutting effect		8
Polishing effect		3

All data are based upon Almatris standard test methods.

The typical properties are based upon the actual averages from production data.

Think alumina, think Almatris.



Calcined Aluminas for Polishing PSG 140

Standard Packaging

- 25 kg paper bags
- 1000 kg big bag, discharge sleeve and shrink wrapped



Contacts for sales, technical information and application assistance

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