

Material Product Data Sheet

Product: Alpha Alumina (α -Al₂O₃)

1- Manufacturer company profile

Product: Alpha Alumina

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2- Product Specifications

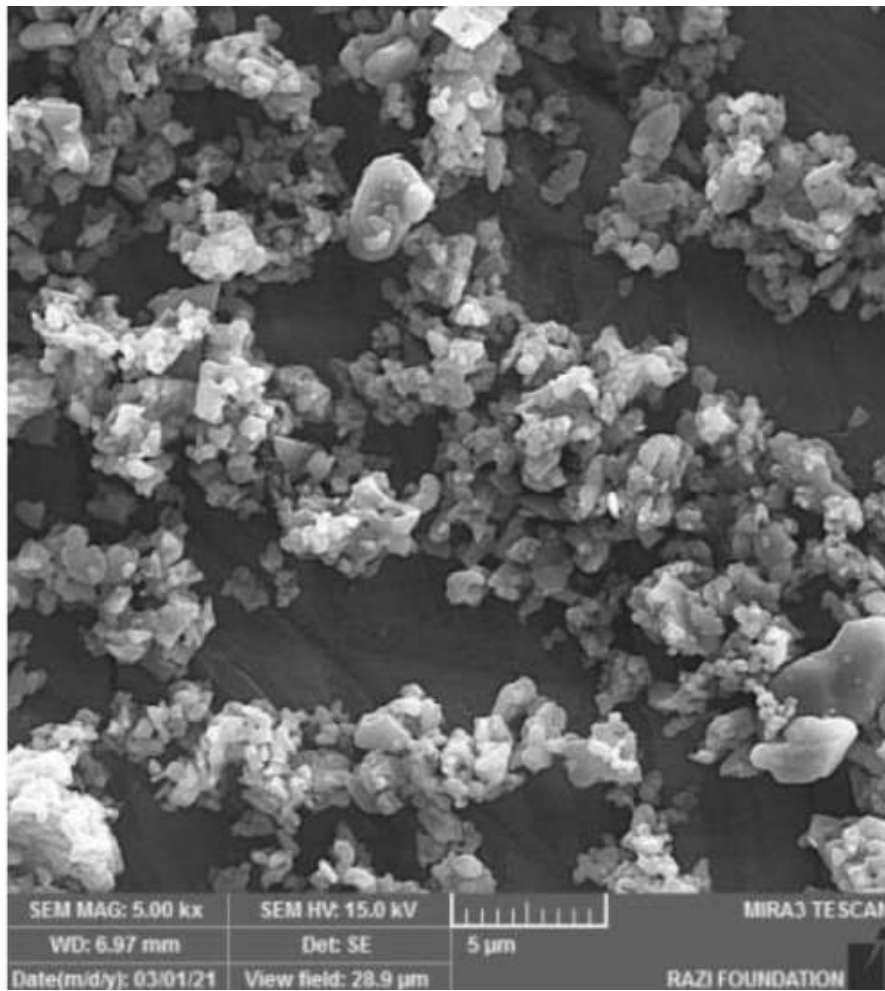
Calcined Aluminas for Polishing

Classification: Ceramic, Alumina based

CAS No: FM2

Chemistry: Al₂O₃

Product / Properties	Unit	FM2
Calcination degree		low
Primary crystal size	μm	≤ 1
Alpha- Al ₂ O ₃ content	%	≥ 70
Particle Size		
D10	μm	1.1
D50	μm	2.8
D90	μm	5.2
Specific surface area / BET	m ² /g	9-17
Loose bulk density	g/l	0.3-0.4
Oil absorption	%	35-40
Cutting effect		2
Polishing effect		9

Product: Alpha Alumina (α -Al₂O₃)
SEM :

SEM image of Al₂O₃ powder.

Sample	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	Na ₂ O	K ₂ O	MgO
	%	%	%	%	%	%	%
FM1	N	99.4	0.058	0.019	0.428	0.04	0.109