

CERALOX

MAGNESIUM ALUMINATE SPINEL



SASOL

Typical chemical properties

Product	Primary impurities (ppm)								
	Na	Si	Fe	Ca	Ti	Cr	Ni	Zn	Zr
AHPA – Spinel	10	15	5	5	2	2	2	2	3
AHPA – Spinel – AF	10	15	5	5	2	2	2	2	3
APA – MG28 – AF	30	70	100	5	10	10	5	25	3

Typical physical properties

Product	AHPA – Spinel	AHPA – Spinel – AF	APA – MG28 – AF
d90 particle size (μm)	60	5,0	7,0
d50 particle size (μm)	35	1,2	3,0
Surface area (m^2 / g)	20	25	17
Powder form	Unmilled powder	Milled powder	Milled powder
Primary crystalline phase	Spinel - $\text{Mg Al}_2\text{O}_4$	Spinel - $\text{Mg Al}_2\text{O}_4$	Spinel - $\text{Mg Al}_2\text{O}_4$
Al_2O_3 : MgO molar ratio	1,01:1	1,01:1	1:1

Methodology

- Chemical analysis: Leeman Labs Inductively Coupled Argon Plasma
- Particle size distribution: Horiba® Laser Diffraction
- Surface area: B.E.T. Micromeritics® Gemini
- Crystalline phase: X-ray Powder Diffraction

CONTACT INFORMATION

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