GNPGraystar
Specialty Materials
AN ISO 9001 CERTIFIED COMPANY

TECHNICAL DATA SHEET
Boehmite

Typical Chemistry

	P84	MP84-2
Aluminum Oxide (Al_2O_3)	79-83 %	79-85 %
Al Oxyhydroxide (AlO(OH))	95-99 %	97-99 %
Sodium Oxide (Na_2O) $_{total}$	0.10-0.16 %	0.10-0.20 %
Iron Oxide (Fe_2O_3)	0.02-0.08 %	0.02-0.10 %

Typical Properties

	P84	MP84-2
Appearance	White Powder	White Powder
Bulk Density (20°C)	700-100 g/l	450-650 g/l
Anhydrous Solid Content (3h/800°C)	81-85%	81-85%
Average Particle Size (d50)	10-15 µm	1-3 µm
Specific Surface Area (BET)	2-8 m^2/g	5-15 m^2/g

Description:

GNPGraystar's Boehmite is formed by the hydrothermal aging of aluminum hydroxide. P84 is a fully crystalline (99%) boehmite with low impurity content. The small particle size and the unique structure of oxide hydroxide make it appropriate for use in various industries.

Applications:

The result of producing boehmite with the hydrothermal method is a crystalline aluminum oxide hydroxide, which is used as a catalyst in the oil industry. Aluminum oxides are gaining in importance as an environmentally friendly refractory material without halogen elements in polymers, which are treated at higher temperatures. Boehmites are stable at high temperatures and optimal for use in electric thermal insulation elements.

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