

HIFULL ALUNA-2302

Nano Aluminium Oxide

Aluna-2302 is fine-particulate, fumed aluminum oxide (Al_2O_3) powder with low specific surface area. Its low surface area enables it good dispersion property, it can be used to prepare different concentration of dispersion, and with good anti-settling performance. Aluna-100 is with positive surface charge, it can be used in many applications.

01 Applications

- Preparation of alumina suspension
- Improve charge and discharge property and service life when applied in anode of Li-battery
- Enhance charge adsorption of melt-blown electret masterbatch
- Applied in fluorescent coating powders in the lighting industry to uniform light output, reduce light attenuation and UV harm

02 Properties

- High specific surface area and high purity
- Low bulk density
- Ultra fine particle size & good dispersion
- Positive surface charge

03 Physical & Chemical Data

Properties	Unit	Typical Value	Testing Standard
Specific Surface Area (BET)	m^2/g	55 ± 10	GB/T 26824
pH in 4% dispersion	—	3.9~5.0	GB/T 26824
Loss on drying(2 hours at 300°C)	%	≤ 5.0	GB/T 26824
Loss on ignition (2 hours at 1000°C)	%	≤ 2.0	GB/T 26824
Al_2O_3 Content (based on ignited material)	%	≥ 98	GB/T 26824
Tamped Density	g/L	60 ± 15	GB/T 26824
Crystal Structure	—	Mixed crystal structure	GB/T 26824

※ customized products available for special physical or chemical data