

# HIFULL Aluna-100C

## Nano Aluminum Oxide

HIFULL ALuna-100C is fine-particulate, fumed aluminum oxide ( $Al_2O_3$ ) powder with high specific surface area. The positive surface charge of fumed alumina enables it can be used in powder coatings to improve charge ability & flow ability

### 01 Applications

- Improve charge ability & flowability for powder coatings & printing ink
- 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
- Applied in different types of thermal board

### 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)	$m^2/g$	$100 \pm 15$	GB/T 26824
pH in 4% dispersion	—	3.9~5.0	GB/T 26824
Loss on drying( 2 hours at 300°C)	%	$\leq 5.0$	GB/T 26824
Loss on ignition (2 hours at 1000°C)	%	$\leq 2.0$	GB/T 26824
$Al_2O_3$ Content (based on ignited material)	%	$\geq 98$	GB/T 26824
Tamped Density	g/L	$60 \pm 15$	GB/T 26824
Crystal Structure	—	Mixed crystal structure	GB/T 26824

※ customized products available for special physical or chemical data