

PAL SA-5

High dispersibility pseudoboehmite alumina

Description

BASF PAL SA-5 is a pseudoboehmite alumina, also known as an aluminum monohydrate, $\text{AlO}(\text{OH})$. It is produced as a dry white powder with high dispersibility optimized for colloidal polishing formulations and coatings.

Applications

BASF PAL SA-5 is a high dispersibility pseudoboehmite alumina developed for applications where improved deagglomeration properties are needed. It features high surface area and porosity combined with high purity and enhanced flowability. PAL SA-5 shows favorable alpha phase transition properties making it suitable as component for ceramics and abrasives.

Safety & handling

BASF PAL SA-5 alumina is classified as nontoxic and does not produce significant toxic effect with reasonable exposure. Normal good housekeeping and operating procedures should ensure personnel safety. The data contained herein are for general informational purpose only. Please refer to the material safety data sheet for specific, complete information regarding the product.

Available Packaging

- 1000 kg super sacks

Chemical composition (wt %), typical

Al_2O_3	70
Na_2O	<0.015
Fe_2O_3	<0.015
TiO_2	<0.2
LOI (1000°C)	25-29

Physical properties, typical

Alumina phase	Pseudoboehmite
Loose bulk density (as is), kg/m^3	670-750
Surface area, m^2/g (1 hr @ 550°C)	250
Nitrogen pore volume (1 hr @ 550°C)	0.5
d50, microns	50-75
Dispersibility Index, %	>85

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BASF - We create chemistry

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