

PAL SA-1

High dispersibility pseudoboehmite alumina

Description

BASF PAL SA-1 is a pseudoboehmite alumina, also known as an aluminum monohydrate, AlO(OH). It is produced as a dry white powder with high dispersibility optimized for colloidal polishing formulations and coatings.

Applications

BASF PAL SA-1 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-1 shows favorable alpha phase transition properties making it suitable as component for ceramics and abrasives.

Safety & handling

BASF PAL SA-1 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 ₂ O ₃	70
Na ₂ O	<0.01
SO ₄	<0.25
LOI (1000°C)	25-29

Physical properties, typical

Aluminaphase	Pseudoboehmite
Loose bulk density (as is), kg/m ³	500-700
Surface area, m ² /g (1 hr @ 550°C)	250-300
Nitrogen pore volume (1 hr @ 550°C)	0.35-0.5
d ₅₀ , microns	5-25
Dispersibility Index, %	>95

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BASF - We create chemistry

Americas

BASF Corporation
25 Middlesex/Essex Turnpike
Iselin, New Jersey, 08830, USA
Tel : +1-732-205-5000
Fax: +1-732-205-7725
Email: catalysts-america@basf.com

Asia Pacific

BASF (China) Company Limited
300 Jiang Xin Sha Road,
Pudong, Shanghai 200137
P.R. China
Tel: +86-21-2039 2549
Fax: +86-21-2039 4800-2549
Email: catalysts-asia@basf.com

Europe, Middle East, Africa

BASF De Meern BV Catalysts
The Netherlands
Tel: +31-30-666 9437
Email: catalysts-europe@basf.com

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