



ALMATIS

PREMIUM ALUMINA



Global Product Data

Almatris BayGranite® 17

Product Information

Almatris BayGranite® 17 ATH (aluminum trihydroxide) is an inorganic hydrated alumina designed for use in polymer systems as a flame retardant and smoke suppressive additive. BayGranite® 17 is more accurately designated chemically as aluminum trihydroxide, $\text{Al}(\text{OH})_3$, and is produced through processing of alumina-bearing feedstocks. Although BayGranite® 17 is a dry powder, when heated above approximately 220°C it decomposes into approximately 35% water and 65% alumina by weight. BayGranite® 17 is a nonabrasive, low density material with a Mohs hardness index of 2.5 - 3.5 and a specific gravity of 2.42. Almatris BayGranite® 17 ATH is compatible with polymer systems, and is designed for applications that require low-soda ATH products.

BayGranite® 17 a non-halogenated fire retardant and smoke suppressant. It decomposes into an inert material: anhydrous alumina and water. Its presence in a polymer system can substantially lower smoke production levels when compared to flame retardant polymers based on phosphates or on brominated or chlorinated paraffin/antimony trioxide filled systems.

Product	BayGranite® 17	
	Average	Shipping ⁽¹⁾
Chemical Composition (%)		
SiO ₂	0.01	0.02 max
Fe ₂ O ₃	0.01	0.02 max
Na ₂ O (total)	0.2	0.35 max
Na ₂ O (soluble)	0.015	0.10 max
Moisture	0.03	0.20 max
Physical Properties		
Loose bulk density (lb/ft ³)	60-70	-
Specific gravity	2.42	-
Mohs hardness	2.5-3.5	-
Particle Size		
wt. % through 325 mesh	60-65	-
d50 (µ)	22-26	-

(1) Almatris general shipping specifications

All data are based upon Almatris standard test methods, and all test methods are available upon request. Unless stated otherwise values are typical.

Think alumina, think Almatris.

GP-SH/022/R08/0517/SDS 839



Almatis BayGranite® 17

Applications

Primary applications are in the film forming binders based on polymers and copolymers.

- Ethylene vinyl acetate (EVA)
- Natural latex
- Polyurethane
- Polyvinyl acetate (PVA)
- Polyvinyl chloride (PVC)
- Styrene-butadiene rubber (SBR)
- Vinylidene Chloride



Contacts for sales, technical information and application assistance

Almatis GmbH

Giulinistrasse 2
67065 Ludwigshafen
Germany

☎ 49 621 5707 0
☎ 49 621 5707 130

Almatis B.V.

Theemsweg 30
3197KM Botlek RT
The Netherlands

☎ 31 181 2701 00
☎ 31 181 2178 53

Almatis, Inc.

501 West Park Road
Leetsdale, PA 15056, USA

☎ 800 643 8771 General
☎ 1 412 630 2800
☎ 1 412 630 2900

Almatis do Brasil Ltda.

Avenida Jose de Souza
Campos, 243
2º Andar – Cambuí
13025-320 – Campinas,
SP – Brasil

☎ 55 19 3515-1400
☎ 55 19 3515-1410

Qingdao Almatis Co., Ltd.

No.1, Songhuanjiang Road
Huangdao District
Qingdao, 266555
P.R. China

☎ 86 21 5879 4987
☎ 86 21 5879 6502

Almatis Alumina Private Limited

Kankaria Estate
2nd Floor
6, Little Russell Street
Kolkata 700-071, India

☎ 91 33 2289 4694
☎ 91 33 2289 4693



Almatis GmbH
Lyoner Straße 9
60528 Frankfurt/Germany

Phone 49 69 957 341 0
Fax 49 69 957 341 13

info@almatis.com
www.almatis.com

Almatis Limited

Toranomon Towers Office 13F
1-28, Toranomon 4-chrome,
Minato-ku, Tokyo, 105-8451
Japan

☎ 81 3 3432 6121
☎ 81 3 3432 6125

SDS 839