

FEATURES

GILLMAN, SOUTH AUSTRALIA

Unimin's Alumina Hydrate AH50 is a milled alumina hydrate which is produced from high purity alumina trihydrate feed. Alumina Hydrate is commonly used as a non hazardous flame retardant and smoke suppressant as a result of the thermodynamic nature of this product.

Alumina Hydrate AH50 is tested and controlled to rigorous standards which ensure consistent chemical and physical properties resulting in predictable and repeatable performance. Unimin Australia actively manages a Quality Management System certified to ISO9001:2008.

Unimin's comprehensive range of Alumina Hydrate is used in a wide range of industrial applications. Alumina Hydrate AH50 typically finds use in applications such as Rubber, Surface Coatings and Plastics. The following typical properties may help you to determine the suitability of the product to best suit your application.

Gillman AH50 (07/09)

SPECIFICATION

Sizing 2.0% maximum + 53 microns

Note: This product is manufactured to the requirements of the process specifications above. Typical properties are a consequence of the process, nature of raw material and are measured at a lower frequency than the specified properties. These results are an average of historical data.

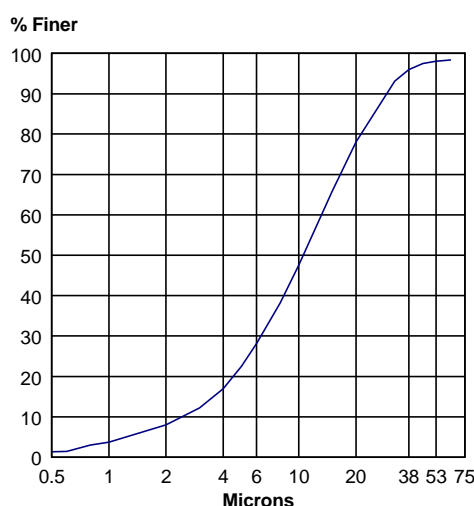
CHEMICAL AND ANALYTICAL DATA

Mean Values. These Do Not Represent A Specification

Mean Percent by Weight		(UAL 8.5)	
Alumina	(Al ₂ O ₃)		64.5
Alumina Trihydrate	(Al ₂ O ₃ .3H ₂ O)		99.0
(calculated)			
Ferric Oxide	(Fe ₂ O ₃)		<0.1
Silica	(SiO ₂)		0.3
Soda	(Na ₂ O)		0.2
Lime	(CaO)		0.2
Magnesia	(MgO)		0.2
Titania	(TiO ₂)		<0.1
Loss on Ignition	(1000°C)	UAL 2.3	33.7
Oil Absorption	(mls/100g)	UAL 2.9(a)	28
Specific Gravity		UAL 2.13	2.43
pH	(20% Slurry)	UAL 2.11	9.0
Bulk Density (compacted)	(g/cm ³)	UAL 2.10(a)	1.2
Surface Area	(m ² /g)	UAL 2.8(c)	1.9
Powder Brightness	(R457nm)	UAL 2.1(e)	87
Powder CIE Color	L*	UAL 2.1(e)	97.05
	a*		+0.98
	b*		+4.19

PARTICLE SIZE ANALYSIS

Mean Values. These Do Not Represent A Specification



ORDERING INFORMATION

Shipping Point: Gillman, South Australia
Availability: 25 kg Multi-Wall Paper Bags / Bulk Bags

DISCLAIMER: Ranges and values of trial sample testing or on a Technical Information Sheet are typical or expected ranges and are not guaranteed ranges. You must satisfy yourself that the product is suitable for the purpose for which you intend to use it. Unimin makes no representations as to suitability, fitness or merchantability.

HAZARD WARNING: Avoid creating dust when handling, using or storing the product. Use only with adequate ventilation to keep exposure low. Undertake health and safety risk assessments on safe methods of handling and use appropriate to your workplace. To prevent inhalation of airborne dust, wear respiratory protection in accordance with Australian Standard AS1715 and AS1716. To prevent potential irritation to eyes, wear eye protection in accordance with Australian Standard AS1337.

Please refer to the relevant Unimin Australia Limited Material Safety Data Sheet (MSDS) for health hazard information before opening or using this product and take care when disposing of the empty bag/container (as it may contain product residue). If you do not have an MSDS, please ring the ACOHS 24 hour emergency phone number 1800 638 556 and you will be sent one

FOR PRODUCT INFORMATION AND CUSTOMER SERVICE

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