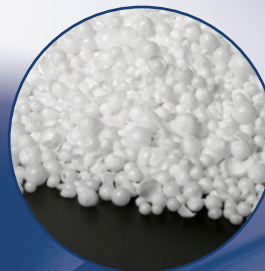
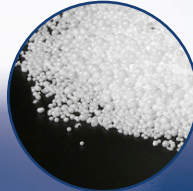


DURALUM® AB



General Inquiries

North & South America

Tel: 1-800-828-1666

Europe

Tel: +44(0)161-848-0271

info@washingtomills.com

www.washingtomills.com

Washington Mills

North Grafton, Inc.

P.O. Box 428

20 North Main Street

North Grafton, MA 01536

Tel: 508-839-6511

Fax: 508-839-7675

Email: info@washingtomills.com

Washington Mills

Electro Minerals Corp.

P.O. Box 423

1801 Buffalo Avenue

Niagara Falls, NY 14302

Tel: 716-278-6600

Fax: 716-278-6650

Email: info@washingtomills.com

Washington Mills

Electro Minerals Corp.

P.O. Box 1002

7780 Stanley Avenue

Niagara Falls, Ontario L2E 6V9 Canada

Email: info@washingtomills.com

Washington Mills

Tonawanda, Inc.

1000 E. Niagara Street

Tonawanda, NY 14150

Email: info@washingtomills.com

Washington Mills

Electro Minerals Ltd.

Mosley Road, Trafford Park

Manchester M17 1NR England

Email: info@washingtomills.com

Washington Mills Hennepin, Inc.

13230 Prairie Industrial Parkway

Hennepin, IL 61327

Email: info@washingtomills.com

Washington Mills AS

NO-7300

Orkanger, Norway

Email: wmas@washingtomills.no

DESCRIPTION

DURALUM® AB is an electric arc furnace product made from high purity Bayer process alumina. Product chemistry is similar to that of white aluminum oxide. Bubbles are formed from molten alumina, resulting in hollow spheres of low bulk density.

APPLICATIONS

DURALUM® AB is used in the production of lightweight insulating refractories where low thermal conductivity, and high temperature properties are the prime requirements. DURALUM® AB is also used effectively for loose-fill refractories.

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃ (by difference)	99.20%
SiO ₂	0.60%
Fe ₂ O ₃	0.02%
Na ₂ O	0.15%
CaO	0.01%
Other Oxides	0.02%

TYPICAL PHYSICAL PROPERTIES

Crystallography	Alpha alumina, in the hexagonal crystal system
Color	White
Shape	Spherical shaped hollow bubbles
Average crystal size	2,500 microns, no matrix
Bulk Density	35 lbs. / ft ³ (4 / Finer Split)
Thermal Conductivity	4 BTU / hour / ft ² / inch of thickness / °F

TYPICAL BULK DENSITY

Size	lb/ft ³	Size	lb/ft ³	Size	lb/ft ³	Size	lb/ft ³
4 / 10	30 - 45	10 / 20	32 - 45	20 / 36	40 - 55	36 / F	45 - 65

SPLIT SIZES AVAILABLE

4 / F, 4 / 10, 10 / 20, 14 / 40, 20 / 36, 36 / F

Additional sizes available upon request.

This product information is NOT a specification. It is offered in good faith only as a general description of the product. **Washington Mills makes no warranty of merchantability or of fitness for any particular purpose.** The product chemistry and other characteristics may vary or contain trace elements not specifically listed. If your intended application for this product is so critical that relatively minor variations in chemistry or physical properties could cause problems or damage to your process or product, please contact our office for further assistance.