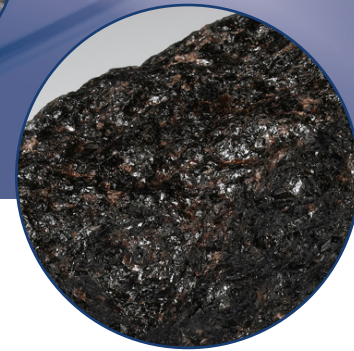


# DURALUM® RF HR



## General Inquiries

### North & South America

Tel: 1-800-828-1666

### Europe

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

info@washingtomills.com

www.washingtomills.com

## DESCRIPTION

DURALUM® RF HR is a specially treated brown fused aluminum oxide refractory grain. The chemical composition and crystalline size are carefully controlled to ensure maximum product uniformity.

## APPLICATIONS

DURALUM® RF HR is manufactured specifically for applications such as bricks, tiles, filter plates, etc. where spalling is an issue.

### 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.

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Email: info@washingtomills.com

### Washington Mills

#### Electro Minerals Ltd.

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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: wrmas@washingtomills.no

## TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub> (by difference)	96.12%
TiO <sub>2</sub>	2.70%
SiO <sub>2</sub>	0.67%
Fe <sub>2</sub> O <sub>3</sub>	0.20%

## TYPICAL PHYSICAL PROPERTIES

Crystal Phase	Alpha Alumina in the hexagonal crystal system
Color	Brown
Specific Gravity	3.92
Knoop <sub>100</sub> Hardness	2090
Shape	Blocky with sharp edges
Grading (Grain)	ANSI B74.12-2001; Table 2 Or FEPA 42-GB-1984 (R1993)
Magnetics	ANSI B74.19-2002
Bulk Density (Grain)	ANSI B74.4-1992 (R2002)

## TYPICAL BULK DENSITY

Grit	g/cc	Grit	g/cc	Grit	g/cc	Grit	g/cc	Grit	g/cc
6	2.12-2.22	16	1.98-2.08	46	1.80-1.90	90	1.67-1.77	220	1.56-1.66
8	2.09-2.19	20	1.94-2.04	54	1.79-1.89	100	1.67-1.77		
10	2.08-2.18	24	1.91-2.01	60	1.77-1.87	120	1.65-1.75		
12	2.04-2.14	30	1.88-1.98	70	1.74-1.84	150	1.62-1.72		
14	2.01-2.11	36	1.82-1.92	80	1.69-1.79	180	1.58-1.68		

## GRAIN SIZES AVAILABLE

Other sizes available upon request.

## SINGLE GRIT SIZES AVAILABLE

Macro Grits: 6, 8, 10, 12, 14, 16, 20, 24, 30, 36, 46, 54, 60, 70, 80, 90, 100, 120, 150, 180, 220

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.