

SEMCOA 70 EX

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

SEMCOA 70 EX – Mullite is a major raw material of the refractory industry. This product is calcined from domestically mined ores in the southern United States. The ores are carefully classified for the product through extensive quality testing.

APPLICATIONS

SEMCOA 70 EX has very low alkaline impurities giving superior refractoriness when compared to imported alternative products.

CHEMICAL ANALYSIS

Al ₂ O ₃	70.5 (68 min)
SiO ₂	22.8
Fe ₂ O ₃	1.5 (1.7 max)
TiO ₂	3.2
P ₂ O ₅	0.10
CaO	0.05
MgO	0.04
Na ₂ O	0.06
K ₂ O	0.07

PHYSICAL PROPERTIES

Bulk Density (g/cc)	2.84 (2.78 min)
PCE	38-39
Apparent Porosity(%)	4.0 – 6.5

AVAILABLE SIZING

Kiln Run	-3 Mesh	-4 Mesh	-100 Mesh
-6 Mesh	-8 Mesh	-3x8 Mesh	-200 Mesh
-4x8 Mesh	-8x20 Mesh	-20 Mesh	

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.

SEMCOA 70 EX (CONT.)

SIZE	% RETAINED											
	US Seive mm	0.265 6.700	4 4.750	6 3.350	8 2.360	12 1.700	16 1.180	20 0.850	40 0.425	100 0.150	200 0.075	Pan
3x0	2 3-5	20 15-25	-	35 27-43	-	-	25 17-33	-	-	-	-	18 10-26
4x0	0	2 0-5	-	35 27-43	-	-	40 32-48	-	-	-	-	23 15-31
8x0	-	-	0	5 2-8	-	-	45 37-53	15 8-22	-	-	-	35 27-43
3x4	2 0-4	62 54-70	-	-	-	-	-	-	-	-	-	36 28-44
3x8	2 0-4	20 15-25	-	61.5 53-70	-	-	-	-	-	-	-	16.5 10-23
4x8	0	2 0-4	-	78 70-86	-	-	-	-	-	-	-	20 15-25
8x20	-	-	0	2.5 0-5	-	-	80 70-90	-	-	-	-	17.5 10-25
20x0	-	-	-	-	0	-	2.5 0-5	32.5 15-50	50 30-70	-	-	15 5-25
100x0	-	-	-	-	-	-	-	Tr.	-	40 32-48	-	60 52-68
200x0	-	-	-	-	-	-	-	Tr.	-	25 15-35	-	75 65-85

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