

SEMCOA 47 LOW IRON

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DESCRIPTION

SEMCOA 47 Low Iron is a calcined raw material mullite mined from ores in the southern United States for the refractory industry. The product is manufactured by Minerals Manufacturing Corporation and distributed by Washington Mills Electro Minerals.

APPLICATIONS

SEMCOA 47 Low Iron has very low alkaline impurities giving superior refractoriness when compared to imported alternative products.

CHEMICAL ANALYSIS

Al ₂ O ₃	47.0 (46 min)
SiO ₂	47.2
Fe ₂ O ₃	1.0 max
TiO ₂	2.7
P ₂ O ₅	0.09
CaO	0.05
MgO	0.02
Na ₂ O	0.07
K ₂ O	0.07

PHYSICAL PROPERTIES

Bulk Density (g/cc)	2.58 (2.55 min.)
PCE	35-36
Apparent Porosity(%)	3-6

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.

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SEMCOA 47 LOW IRON (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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