

SEMCOA 60 EX

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DESCRIPTION

SEMCOA 60 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 60 EX has very low alkaline impurities giving superior refractoriness when compared to imported alternative products.

CHEMICAL ANALYSIS

| | |
|--------------------------------|---------------|
| Al ₂ O ₃ | 61.2 (58 max) |
| SiO ₂ | 34.2 |
| Fe ₂ O ₃ | 1.3 (1.5 max) |
| TiO ₂ | 3.0 |
| P ₂ O ₅ | 0.09 |
| CaO | 0.05 |
| MgO | 0.02 |
| Na ₂ O | 0.06 |
| K ₂ O | 0.07 |

PHYSICAL PROPERTIES

| | |
|----------------------|-----------------|
| Bulk Density (g/cc) | 2.70 (2.68 min) |
| PCE | 37-38 |
| Apparent Porosity(%) | 3.5-5.5 |

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 60 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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