

**FEATURES & BENEFITS**

Covia’s range of fiberglass grade kaolins offer the glass chemist a broad selection of controlled and consistent sources of alumina and silica for glass batching. Suitable for e-glass, wet chop and insulation grades these materials deliver consistently stable carbon levels to better manage sulfur to carbon ratio and Redox potential COD within the glass batch. The benefit for fiber manufacturers is better control over incoming raw materials, improved foam stability, and a more uniform viscosity to maximize the rate of pull.

All FG fiberglass grades are mined, processed and sized under rigid Covia QIP<sup>SM</sup> statistical quality assurance programs. The result is consistent mineralogy, and chemical and physical properties, to ensure repeatable results in demanding glass manufacturing processes.

**CHEMICAL AND ANALYTICAL DATA**

*Typical Mean Values. These Do Not Represent A Specification.*

	Typical Mean Percent By Weight on Oxide Basis			
	800	750	600	500
Silicon Dioxide (SiO <sub>2</sub> )	45.40	45.40	45.40	45.30
Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	38.10	38.10	38.30	38.40
Titanium Dioxide (TiO <sub>2</sub> )	1.50	1.50	1.50	1.50
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	0.80	0.75	0.63	0.60
Calcium Oxide (CaO)	0.15	0.14	0.15	0.14
Magnesium Oxide (MgO)	0.15	0.14	0.15	0.14
Potassium Oxide (K <sub>2</sub> O)	0.24	0.22	0.15	0.21
Sodium Oxide (Na <sub>2</sub> O)	0.06	0.06	0.04	0.04
Loss on Ignition (LOI)	13.60	13.69	13.65	13.67
Carbon (% C)	0.03	0.03	0.03	0.03
+325m Residue %	<1.0	<1.0	<2.0	<1.0

**SHIPPING/ORDERING INFORMATION**

- Shipping Point: McIntyre, GA
- Originating Rail Carrier: Norfolk Southern
- Availability: Bulk Only  
Rail Only

**CUSTOMER SERVICE**

**US & Canada: 1-800-243-9004**

**Fax: 1-800-243-9005**

**Worldwide: 1-203-442-2500**

**Fax: 1-203-972-1378**

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GRADE NUMBERS INDICATE RELATIVE VALUES OR RESULTS. THEY ARE NOT A SPECIFICATION OR WARRANTY OF PERFORMANCE.

**HEALTH HAZARD WARNING:** Long term exposure can cause pneumoconiosis. This material contains crystalline silica which can cause pneumoconiosis. Pneumoconiosis is a respiratory disease, which can result in delayed, disabling and sometimes fatal lung injury. IARC and NTP have determined that crystalline silica can cause lung cancer in humans. Risk of injury is dependent on the duration and level of exposure. Avoid creating dust when handling, using or storing. Use only with adequate ventilation to keep exposure below recommended exposure limits. Follow OSHA or other relevant safety and health standards for "Particulates not otherwise classified" (PNOC) and for the form of crystalline silica called Quartz. Current safety data sheet, containing safety information, is available and should be consulted before usage.

**Notice:** While information contained herein is correct to the best of our knowledge, Covia hereby disclaims any warranties as to the accuracy of the same. Recommendations or suggestions are made without guarantee or representation as to result, since conditions of usage are beyond our control. All materials are sold subject to Covia's standard terms and conditions of sale and the condition that buyer shall make his own tests to determine the suitability of such product for buyer's purpose. No statement contained herein shall be construed as a recommendation to infringe any patent.

Kaolin/Silica Containing

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