

## FEATURES & BENEFITS

The SANBLEND® line of kaolin clays offer casting characteristics specifically for the manufacture of sanitaryware. Made from selected kaolins for fast casting, SANBLEND offers excellent chemistry and physical properties for superior forming properties in both pressure and plaster casting. Due to its unique rheology, intricate castings can often be produced at higher fluidities while maintaining critical thixotropy, casting behavior, and drainage properties. The optimal mix of chemistry and size distribution, these materials are also suitable for highly automated and fast fire sanitaryware manufacture.

Delivered as a slurry, SANBLEND products are rheologically controlled with a choice of sodium silicate, sodium hexametaphosphate or sodium polyacrylate deflocculants. SANBLEND slurries are compatible with most final body compositions and are ready to use without additional processing, screening or aging. These clays are suitable for a wide range of casting applications from smaller ornamental wares to the largest dimension industrial pieces. They allow high quality casting performance throughout the entire casting curve and over the full density range. In certain applications higher than normal slip densities can also be achieved.

All SANBLEND grades are mined, processed and sized under rigid Covia QIP<sup>SM</sup> statistical quality assurance programs. The result is consistent chemistry with uniform particle size distribution for a controlled casting rate and predictable firing performance.

## CHEMICAL ANALYSIS

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

Mean Percent by Weight On Oxide Basis	K
Silicon Dioxide (SiO <sub>2</sub> )	44.80
Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	38.60
Titanium Dioxide (TiO <sub>2</sub> )	1.68
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	0.5
Calcium Oxide (CaO)	0.04
Magnesium Oxide (MgO)	0.03
Potassium Oxide (K <sub>2</sub> O)	0.09
Sodium Oxide (Na <sub>2</sub> O)	0.05
Loss on Ignition (LOI)	13.70

## PHYSICAL PROPERTIES

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

SANBLEND® Refined Clay Blends	K
Soluble Sulfates (ppm)	<100
M.B.I (meq/100g)	2.3
% Solids	71.4
Wet Screen Residue (%+325 Mesh)	<2.0
SSA m <sup>2</sup> /g	11.0
pH @70% Solids	4.4

## PARTICAL SIZE ANALYSIS

Typical Mean Values. These Do Not Represent a Specification.

	MICRONS	K
% Finer	<20	97
	<10	89
	<5	75
	<2	53
	<1	37
	<0.5	23

## SHIPPING/ORDERING INFORMATION

- Shipping Point: Hephzibah, GA
- Originating Carrier: Norfolk Southern
- Availability: Bulk Only  
Truck and Rail

### CUSTOMER SERVICE

US & Canada: 1-800-243-9004

Fax: 1-800-243-9005

Worldwide: 1-203-442-2500

Fax: 1-203-972-1378

3 Summit Park Drive, Suite 700, Independence, OH 44131 | CoviaCorp.com

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

Health Hazard Warnings: Prolonged inhalation of dust associated with the materials described in this data sheet can cause delayed lung injury including Silicosis, a progressive, disabling and sometimes fatal lung disease. 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. Follow OSHA or other relevant safety and health standards for the form of crystalline silica called Quartz. Current safety data sheet, containing safety information, is available and should be consulted before usage.

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Silica/Silica Containing

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