



BYRON, CA

**INDUSTRIAL & COMMERCIAL**

*January 2020*



**TECHNICAL DATA**

**FEATURES AND BENEFITS**

Industrial and commercial sands are water-washed and kiln-dried, and then graded to conform to exacting particle size specifications. The consistency and uniformity of these sands affords use in a variety of industrial and commercial applications including artificial turf base/fill, water filtration media, construction mortar and decorative tile blend ingredients, abrasive surfacing, sand blasting, and metal castings in foundry/refractory products.

**PARTICLE SIZE ANALYSIS AND PROPERTIES**

Estimated mean values.

	<b>MESH (ASTM E-11)</b>	<b>4010 Fine Sand</b>	<b>4075 Coarse Sand</b>	<b>4012 Filter Sand</b>
Typical Mean % Retained on Individual Sieves	10 (2.00 mm)	---	---	---
	20 (.850 mm)	0	4 – 12	85 – 90
	30 (.600 mm)	1 – 10	45 – 65	10 – 15
	40 (.425 mm)	8 – 30	25 – 35	< 1
	50 (.300 mm)	18 – 30	1 – 10	---
	70 (.212 mm)	12 – 26	0.1 – 5	---
	100 (.150 mm)	6 – 20	0.1 – 1	---
	140 (.106 mm)	4 – 12	0.1 – 0.3	---
	200 (.075 mm)	1 – 6	0.1 – 0.2	---
	270 (.053 mm)	0.1 – 2	0 – 0.1	---
Typical Moisture Content:		<0.50	<0.50	<0.50

Grain Shape:	Subangular
pH:	6.5-7.5 (Neutral)
Bulk Density (g/cm <sup>3</sup> ):	1.50 Mean Percent by Weight
Soluble Salts (mmhos/cm):	<0.1

<b>CHEMICAL ANALYSIS</b>		
Mean Values. These Do Not Represent A Specification		
		<b>4010/4075</b>
Silicon dioxide	(SiO <sub>2</sub> )	91 – 95
Iron oxide	(Fe <sub>2</sub> O <sub>3</sub> )	0.09 – 0.20
Aluminum oxide	(Al <sub>2</sub> O <sub>3</sub> )	2.5 – 4.5
Sodium oxide	(Na <sub>2</sub> O)	0.10 – 0.4
Loss on Ignition	(L.O.I.)	0.18 – 0.45

**ORDERING INFORMATION**

**Shipping Point:** BYRON, CA  
**Availability:** BULK, SUPERSACKS

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

**HEALTH HAZARD WARNING:** 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 has determined that crystalline silica, inhaled from occupational sources, can cause 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 material safety data sheets, containing safety information, are available and should be consulted before usage.