



**G3 FELDSPATHIC SAND (AMBER 410)**  
**MATERIAL SPECIFICATIONS**  
**GLASS CONTAINER**

**TECHNICAL DATA**

**FEATURES AND BENEFITS (TBD)**



**Chemical Specification**

Chemical	Acceptable Range	
	Minimum	Maximum
SiO <sub>2</sub>	90.5%	92.8%
Fe <sub>2</sub> O <sub>3</sub>	- -	0.190%
Al <sub>2</sub> O <sub>3</sub>	3.2%	4.5%
Total R <sub>2</sub> O (Na <sub>2</sub> O+K <sub>2</sub> O)	2.75%	4.0%
Moisture	0.0%	0.1%

**Sizing Specification**

Sieve analyses are to be conducted according to the procedures outlined in **ASTM C429-82 - Standard Test Method for Sieve Analysis of Raw Materials for Glass Manufacture (Section 8)**.

U. S. Sieve Series % Retained On	Acceptable Range of Variation	
	Minimum	Maximum
+ 8 mesh (2.36 mm)		
+ 12 mesh (1.70 mm)		
+ 16 mesh (1.18 mm)	None	None
+ 20 mesh (0.85 mm)		0.0%
+ 30 mesh (0.60 mm)		8.0%
+ 40 mesh (0.425 mm)		32.0%
+ 50 mesh (0.30 mm)		
+ 70 mesh (0.212 mm)		
+ 100 mesh (0.15 mm)		
+ 140 mesh (0.106 mm)		
+ 200 mesh (0.075 mm)		Through 140 mesh 7.5%
- 200 mesh		

**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.