

## 50-70 Glass Beads

### Technical Data Sheet

This product is a manufactured high purity glass. Abrasive applications include smooth cleaning, deburring, and matting. Contains no crystalline silica, as all components are amorphous.

#### Typical Chemical Analysis (%):

Silicon Dioxide (total)	SiO <sub>2</sub>	~ 70.0
Sodium Oxide	Na <sub>2</sub> O	~ 13.0
Calcium Oxide	CaO	~ 7.0
Magnesium Oxide	MgO	~ 4.0
Potassium Oxide	K <sub>2</sub> O	~ 3.0
Aluminum Oxide	Al <sub>2</sub> O <sub>3</sub>	~ 1.0
Iron Oxide	Fe <sub>2</sub> O <sub>3</sub>	< 0.5
Sulphur Oxides	SO <sub>3</sub>	< 0.2

#### Typical Physical Properties:

<b>Colour</b>	White to clear	<b>Moh Hardness</b>	6
<b>Grain Shape</b>	Round	<b>Bulk Density</b>	75 lbs./ft. <sup>3</sup>
<b>Moisture</b>	< 0.20%	<b>Embedment (@ 100 psi)</b>	> 70%
<b>Softening Point</b>	~1350°F	<b>Solubility</b>	Insoluble

#### Typical Gradation:

This information represents average results of laboratory testing. Some reasonable variations are to be expected.

**Standard** 50/70

U.S. Mesh	Microns	Per Cent	
		Retained	Passing
20	850	0.0	100.0
30	600	0.0	100.0
40	425	0.0	100.0
50	300	8.4	91.6
70	212	36.2	55.4
100	150	35.8	19.6
140	106	15.0	4.6
200	75	3.6	1.0
270	53	0.7	0.3
PAN	0	0.3	0.0
Nominal Size (mm):		0.17	

