

30-40 Glass Beads

Technical Data Sheet

This product is produced by crushing and screening post consumer glass. This chemically inert, sharp, and clean material makes an ideal abrasive for a variety of industrial applications, particularly dry abrasive blasting.

Typical Chemical Analysis (%):

Silicon Dioxide (total)	SiO ₂	~ 72.0
Sodium Oxide	Na ₂ O	~ 13.0
Calcium Oxide	CaO	~ 5.0
Magnesium Oxide	MgO	~ 4.0
Potassium Oxide	K ₂ O	~ 3.0
Aluminum Oxide	Al ₂ O ₃	~ 1.0
Iron Oxide	Fe ₂ O ₃	< 0.5
Sulphur Oxides	SO ₃	< 0.2
Chromium Oxide	Cr ₂ O ₃	< 0.1

Typical Physical Properties:

Colour	White to clear	Moh Hardness	6
Grain Shape	Round	Bulk Density	75 lbs./ft. ³
Moisture	< 0.20%	Embedment (@ 100 psi)	- 0.17%
Softening Point	~1350oF	Solubility	Insoluble
Conductivity (µs/cm)	73	Chloride (ppm)	< 2

Typical Gradation:

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

Standard 10/30

U.S. Mesh	Microns	Per Cent	
		Retained	Passing
10	2000	0.0	100
12	1700	1.4	98.6
16	1180	60.3	38.3
20	850	21.3	17.0
30	600	16.4	0.6
40	425	0.0	0.6
PAN	0	Trace	0.0
Grain Fineness #:		12.1	
Nominal Size (mm):		1.01	

