



# GRAYSTAR LLC

## TECHNICAL DATA SHEET

### Glass Beads

All Sizes Meet MIL Spec G - 9954A

Graystar Designation	US Sieve	Inches Max	Inches Min	Microns Max	Microns Min	Min % Round
3	20-30	.0331	.0234	850	600	65
4	30-40	.0234	.0165	600	425	70
5	40-50	.0165	.0117	425	300	70
6	50-70	.0117	.0083	300	212	80
7	60-80	.0098	.0070	250	180	80
8	70-100	.0083	.0059	212	150	80
9	80-120	.0070	.0049	180	125	80
10	100-170	.0059	.0035	150	90	90
11	120-200	.0049	.0029	125	75	90
12	140-230	.0041	.0025	106	63	95
13	170-325	.0035	.0017	90	45	95

# Total Chemical Analysis

## Borosilicate Glass

Test	Result	Units	Method	Instrument	Analysis Date
A12O3	2.24	Weight %	SCL-145	XRF	7/13/2006
B2O3	0.004	Weight %	SCL-413	ICP Ceramic	7/13/2006
CaO	8.27	Weight %	SCL-145	XRF	7/13/2006
Fe2O3	0.17	Weight %	SCL-145	XRF	7/13/2006
K2O	0.85	Weight %	SCL-145	XRF	7/13/2006
MgO	1.55	Weight %	SCL-145	XRF	7/13/2006
MnO	0.011	Weight %	SCL-145	XRF	7/13/2006
Na2O	14.30	Weight %	SCL-416	ICP Ceramic	7/13/2006
P2O5	0.001	Weight %	SCL-145	XRF	7/13/2006
SiO2	72.45	Weight %	SCL-145	XRF	7/13/2006
TiO2	0.10	Weight %	SCL-145	XRF	7/13/2006
ZrO2	0.033	Weight %	SCL-145	XRF	7/13/2006

\*Results by West Penn Testing Group

### Physical Properties

Bulk Density	1.5 g/cm <sup>3</sup>
Shape	Spherical
Color	Colorless
Specific gravity	2.55g/cm <sup>3</sup>
Hardness	635 kg/mm <sup>2</sup> min.

### Packaging

Graystar glass beads packaged in 50 lb paper bags on one-ton covered pallets.

DISTRIBUTED BY:

**GRAYSTAR  LLC**

Phone: 716-633-0077 • Fax: 716-633-0099

Email: aloxman1@aol.com