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SOLID GLASS SPHERES SPACER BEAD TECHNICAL DATA SHEET

Potters Industries LLC offers specialized glass beads specifically designed for controlling bond line thickness in adhesive bonding. These beads are manufactured and certified to meet the specification requirements of Raytheon HMS20-1776 and Boeing SCGMS-53004, STM0955.

Customer specifications, drawings, part numbers or references to terms and conditions, quality clauses or any specifications other than Potters Industries standard terms and conditions are not allowed.

Typical Properties:

Composition:	Soda-Lime Glass	Appearance:	Colorless Spheres
Specific Gravity/Density:	2.3 - 2.7	Refractive Index:	1.50 – 1.55
Magnetic Iron:	≤ 0.1%	Shelf Life:	Not Tested

<i>Product Code</i>	<i>Size Designation</i>	<i>Nominal Maximum Diameter (Inch)</i>	<i>Product Within Diameter Range (Inch)</i>	<i>US Sieve (Microns) 100% Passes*</i>	<i>US Sieve (Microns) 90-100% On*</i>
602578	Type I	.0234	.0197 - .0234	US 30 (600 um)	US 35 (500 um)
602579	Type II	.0165	.0139 - .0165	US 40 (425 um)	US 45 (355 um)
602580	Type III	.0117	.0098 - .0117	US 50 (300 um)	US 60 (250 um)
602581	Type IV	.0098	.0083 - .0098	US 60 (250 um)	US 70 (212 um)
602582	Type V	.0070	.0059 - .0070	US 80 (180 um)	US 100 (150 um)
602583	Type VI	.0049	.0041 - .0049	US 120 (125 um)	US 140 (106 um)
602584	Type VII	.0041	.0035 - .0041	US 140 (106 um)	US 170 (90 um)
602585	Type VIII	.0035	.0029 - .0035	US 170 (90 um)	US 200 (75 um)
602586	Type IX	.0029	.0025 - .0029	US 200 (75 um)	US 230 (63 um)
602587	Type X	.0025	.0021 - .0025	US 230 (63 um)	US 270 (53 um)
602588	Type XI	.0021	.0017 - .0021	US 270 (53 um)	US 325 (45 um)
602589	Type XII	.0017	.0015 - .0017	US 325 (45 um)	US 400 (38 um)
602590	Type XIII	.0015	< .0015	US 400 (38 um)	Not Applicable

* As determined by ASTM D-1214 Sieve Analysis of Glass Spheres.

RoHS Compliance: Based on data, these products do not contain hazardous substances restricted under RoHS in amounts greater than or equal to the maximum specified concentration values established by RoHS.

The technical information and suggestions for use and applications presented herein represent the best information available to us and are believed to be reliable. They should not, however, be construed as controlling suggestions. Potters Industries LLC makes no warranties, either expressed or implied, with respect to our materials, including the warranties of merchantability or fitness for any particular purpose. We urge that users of our materials conduct confirmatory tests to determine final suitability for their specific end uses.

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