



Bahnstraße 10
D-65205 Wiesbaden

Tel.: 0611 / 7-888-999
Fax: 0611 / 97-218-44

Email: support@bs-partikel.de
URL: http://www.bs-partikel.de

Glass Particle Standards

22.12.2016

Micro-sized **Glass Size Standards** (Thermo Fisher Scientific, prev. Duke Scientific)

Spherical glass particle made of borosilicate glass¹⁾ or soda lime glass

Bestellnummer	Nom. Durchmesser	Tatsächlicher Durchmesser	Standard Abweichung	Partikel/g
9002 ¹⁾	2 µm	2.0 µm ± 0.5µm	0.7 µm (35%)	9,5 x 10 ¹⁰
9005 ¹⁾	5 µm	5.6 µm ± 0.5 µm	0.7 µm (13%)	4,4 x 10 ⁹
9008 ¹⁾	8 µm	8.0 µm ± 0.8 µm	1.0 µm (13%)	1,5 x 10 ⁹
9010 ¹⁾	10 µm	9.6 µm ± 1.0 µm	1.5 µm (16%)	8,5 x 10 ⁸
9015 ¹⁾	15 µm	14.1 µm ± 1.0 µm	1.4 µm (10%)	2,7 x 10 ⁸
9020 ¹⁾	20 µm	17.3 µm ± 1.4 µm	2.0 µm (12%)	1,5 x 10 ⁸
9030	30 µm	30.1 µm ± 2.1 µm	2.3 µm (7.6%)	2,9 x 10 ⁷
9040	40 µm	40.6 µm ± 2.8 µm	2.2 µm (5.4%)	1,1 x 10 ⁷
9050	50 µm	49.9 µm ± 3.0 µm	2.2 µm (4.4%)	6,3 x 10 ⁶
9060	60 µm	60.0 µm ± 3.6 µm	2.3 µm (3.8%)	3,6 x 10 ⁶
9070	70 µm	72.6 µm ± 4.4 µm	2.7 µm (3.7%)	2,1 x 10 ⁶
9080	80 µm	79.1 µm ± 4.0 µm	2.8 µm (3.5%)	1,6 x 10 ⁶
9090	90 µm	90.3 µm ± 4.5 µm	3.9 µm (4.3%)	1,1 x 10 ⁶
9100	100 µm	97.6 µm ± 4.9 µm	3.6 µm (3.7%)	8,3 x 10 ⁵
9110	110 µm	111 µm ± 5.5 µm	4.2 µm (3.8%)	5,8 x 10 ⁵
9120	120 µm	120 µm ± 6.0 µm	5.2 µm (4.3%)	4,5 x 10 ⁵
9140	140 µm	139 µm ± 7.0 µm	2.9 µm (2.1%)	2,9 x 10 ⁵
9170	170 µm	167 µm ± 8.4 µm	6.3 µm (3.8%)	1,6 x 10 ⁵
9200	200 µm	196 µm ± 5..9 µm	5.7 µm (2.9%)	1,0 x 10 ⁵
9230	230 µm	231 µm ± 6.9 µm	9.0 µm (3.9%)	6,2 x 10 ⁴
9280	280 µm	279 µm ± 8.4 µm	9.3 µm (3.3%)	3,5 x 10 ⁴
9330	330 µm	324 µm ± 10 µm	16.0 µm (4.9%)	2,2 x 10 ⁴
9400	400 µm	391 µm ± 12 µm	10.1 µm (2.6%)	1,3 x 10 ⁴
9480	480 µm	480 µm ± 14 µm	17.8 µm (3.7%)	7,1 x 10 ³
9550	550 µm	553 µm ± 17 µm	29.0 µm (5.2%)	4600
9650	650 µm	655 µm ± 20 µm	29.0 µm (4.4%)	2800
9750	750 µm	749 µm ± 22 µm	19.4 µm (2.6%)	1825
9950	950 µm	940 µm ± 28 µm	39.7 µm (4.2%)	950
91000	1000 µm	1106 µm ± 33 µm	28.6 µm (2.6%)	560
92000	2000 µm	2007 µm ± 40 µm	50.9 µm (2.5%)	95

All Particle Diameters had been determined by Optical Microscopy. The data listed as "Current Diameter" and "Standard Deviation" are numbers for better orientation; they will change slightly if a new lot will be manufactured. Therefore these data are not guaranteed!

- These standards contain no broken or non-spherical, but spherical glass beads only!
- All particle size standards are traceable to NIST (*National Inst. of Standards and Technology*) and will be shipped with an English certificate of the manufacturer.
- The glass particle standards (density: 2.53 g/mL) will be shipped as "powder" in 1.0g quantities.
- **Prices: 385.- Euro (< 30µm) / 340.- Euro (>= 30µm)**

Ordering: Please order by giving us your invoice address **and** your shipping address either via email: support@bs-partikel.de or via fax: +49/611/97-218-44

Delivery Time: Appr. 14 days. In case of an order we always return an order confirmation by email or fax which contains the shipping date.

Questions? Please contact us via email: support@bs-partikel.de