

精密陶瓷球尺寸、体积、重量对照表

规格			100粒的体积 ml/100粒	100粒的重量 (g/100粒)				每公斤粒数 (粒/kg)			
mm	inch	inch		氮化硅	氧化锆	氧化铝	碳化硅	氮化硅	氧化锆	氧化铝	碳化硅
Φ0.397	0.016	1/62	0.003	0.011	0.020	0.013	0.010	9479250	5053508	7806441	9783072
Φ0.500	/	/	0.007	0.021	0.040	0.026	0.020	4744992	2529615	3907641	4897075
Φ0.600	/	/	0.011	0.036	0.068	0.044	0.035	2745944	1463898	2261366	2833956
Φ0.700	/	/	0.018	0.058	0.108	0.070	0.056	1729225	921871	1424067	1784648
Φ0.794	0.031	3/97	0.026	0.084	0.158	0.102	0.082	1184906	631688	975805	1222884
Φ0.800	/	/	0.027	0.086	0.162	0.105	0.084	1158445	617582	954014	1195575
Φ0.900	/	/	0.038	0.123	0.231	0.149	0.119	813613	433747	670034	839691
Φ1.000	/	/	0.052	0.169	0.316	0.205	0.163	593124	316202	488455	612134
Φ1.200	/	/	0.090	0.291	0.546	0.354	0.282	343243	182987	282671	354244
Φ1.300	/	/	0.115	0.370	0.695	0.450	0.359	269970	143924	222328	278623
Φ1.500	/	/	0.177	0.569	1.067	0.691	0.551	175740	93689	144727	181373
Φ1.588	0.063	1/16	0.210	0.675	1.266	0.820	0.654	148113	78961	121976	152861
Φ1.984	0.078	6/77	0.409	1.317	2.470	1.599	1.276	75949	40489	62546	78383
Φ2.000	/	/	0.419	1.349	2.530	1.638	1.307	74141	39525	61057	76517
Φ2.381	0.094	3/32	0.707	2.276	4.269	2.763	2.205	43941	23425	36186	45349
Φ2.500	/	/	0.818	2.634	4.941	3.199	2.553	37960	20237	31261	39177
Φ2.778	0.109	6/55	1.123	3.615	6.780	4.389	3.502	27666	14749	22784	28553
Φ3.000	/	/	1.414	4.552	8.539	5.528	4.411	21968	11711	18091	22672
Φ3.175	0.125	1/8	1.676	5.396	10.122	6.552	5.229	18532	9879	15261	19126
Φ3.500	/	/	2.245	7.229	13.559	8.778	7.004	13834	7375	11393	14277
Φ3.969	0.156	5/32	3.274	10.54	19.77	12.80	10.21	9486	5057	7812	9790
Φ4.000	/	/	3.351	10.79	20.24	13.10	10.46	9268	4941	7632	9565
Φ4.500	/	/	4.771	15.36	28.82	18.66	14.89	6509	3470	5360	6718
Φ4.763	0.188	3/16	5.658	18.22	34.17	22.12	17.65	5489	2926	4520	5665
Φ5.000	/	/	6.545	21.07	39.53	25.59	20.42	4745	2530	3908	4897
Φ5.500	/	/	8.711	28.05	52.62	34.06	27.18	3565	1901	2936	3679
Φ5.556	0.219	7/32	8.980	28.92	54.24	35.11	28.02	3458	1844	2848	3569
Φ5.953	0.234	11/47	11.05	35.57	66.72	43.19	34.46	2811	1499	2315	2902
Φ6.000	/	/	11.31	36.42	68.31	44.22	35.29	2746	1464	2261	2834
Φ6.350	0.250	1/4	13.41	43.17	80.98	52.42	41.83	2316	1235	1908	2391
Φ6.500	/	/	14.38	46.30	86.85	56.22	44.86	2160	1151	1779	2229
Φ6.747	0.266	25/94	16.08	51.78	97.13	62.88	50.17	1931	1030	1590	1993
Φ7.000	/	/	17.96	57.83	108.48	70.22	56.03	1729	921.9	1424	1785
Φ7.144	0.281	9/32	19.09	61.47	115.31	74.64	59.56	1627	867.2	1340	1679
Φ7.500	/	/	22.09	71.13	133.42	86.57	68.92	1406	749.5	1158	1451
Φ7.938	0.313	5/16	26.19	84.33	158.19	102.57	81.71	1186	632.2	976.5	1224
Φ8.000	/	/	26.81	86.32	161.92	104.87	83.64	1158	617.6	954.0	1196
Φ8.500	/	/	32.16	103.5	194.3	125.7	100.3	965.8	514.9	795.4	996.8
Φ8.731	0.344	11/32	34.85	112.2	210.5	136.3	108.7	891.2	475.1	733.9	919.7
Φ9.000	/	/	38.17	122.9	230.5	149.2	119.1	813.6	433.7	670.0	839.7
Φ9.525	0.375	3/8	45.25	145.7	273.3	176.9	141.2	686.4	365.9	565.2	708.4
Φ10.000	/	/	52.36	168.6	316.3	204.7	163.4	593.1	316.2	488.5	612.1
Φ10.319	0.406	13/32	57.53	185.3	347.5	225.0	179.5	539.8	287.8	444.5	557.1
Φ11.000	/	/	69.69	224.4	420.9	272.5	217.4	445.6	237.6	367.0	459.9
Φ11.113	0.438	7/16	71.86	231.4	434.0	281.0	224.2	432.2	230.4	355.9	446.0
Φ11.509	0.453	29/64	79.82	257.0	482.1	312.1	249.0	389.1	207.4	320.4	401.5
Φ11.906	0.469	15/32	88.37	284.5	533.7	345.5	275.7	351.4	187.4	289.4	362.7
Φ12.000	/	/	90.48	291.3	546.5	353.8	282.3	343.2	183.0	282.7	354.2
Φ12.303	0.484	15/31	97.51	314.0	588.9	381.2	304.2	318.5	169.8	262.3	328.7

Φ12.700	0.500	1/2	107.3	345.4	647.8	419.4	334.6	289.6	154.4	238.5	298.8
Φ13.000	/	/	115.0	370.4	694.8	449.8	358.9	270.0	143.9	222.3	278.6
Φ13.494	0.531	17/32	128.7	414.3	777.1	503.0	401.4	241.4	128.7	198.8	249.1
Φ14.000	/	/	143.7	462.6	867.8	561.8	448.3	216.2	115.2	178.0	223.1
Φ14.288	0.563	9/16	152.7	491.8	922.5	597.2	476.5	203.3	108.4	167.5	209.9
Φ15.000	/	/	176.7	569.0	1067	691.0	551.3	175.7	93.69	144.7	181.4
Φ15.081	0.594	19/32	179.6	578.3	1085	702.2	560.3	172.9	92.19	142.4	178.5
Φ15.875	0.625	5/8	209.5	674.5	1265	819.1	653.6	148.3	79.04	122.1	153.0
Φ16.000	/	/	214.5	690.6	1295	838.6	669.1	144.8	77.20	119.3	149.4
Φ16.669	0.656	61/93	242.5	780.9	1465	948.2	756.6	128.1	68.27	105.5	132.2
Φ17.000	/	/	257.2	828.3	1554	1006	802.6	120.7	64.36	99.42	124.6
Φ17.463	0.688	11/16	278.8	897.9	1684	1090	870.0	111.4	59.38	91.72	114.9
Φ18.000	/	/	305.4	983.3	1844	1194	952.7	101.7	54.22	83.75	105.0
Φ18.256	0.719	23/32	318.6	1026	1924	1246	994.0	97.48	51.97	80.28	100.6
Φ19.000	/	/	359.1	1156	2169	1404	1121	86.47	46.10	71.21	89.25
Φ19.050	0.750	3/4	362.0	1166	2186	1415	1129	85.79	45.74	70.65	88.54
Φ19.844	0.781	25/32	409.2	1317	2471	1600	1277	75.90	40.46	62.51	78.34
Φ20.000	/	/	418.9	1349	2530	1638	1307	74.14	39.53	61.06	76.52
Φ20.638	0.813	13/16	460.3	1482	2780	1800	1436	67.47	35.97	55.57	69.64
Φ21.000	/	/	484.9	1561	2929	1896	1513	64.05	34.14	52.74	66.10
Φ22.000	/	/	557.5	1795	3367	2180	1739	55.70	29.70	45.87	57.49
Φ22.225	0.875	7/8	574.8	1851	3472	2248	1793	54.03	28.80	44.49	55.76
Φ23.000	/	/	637.1	2051	3848	2491	1988	48.75	25.99	40.15	50.31
Φ23.813	0.938	15/16	707.0	2277	4270	2765	2206	43.92	23.42	36.17	45.33
Φ24.000	/	/	723.8	2331	4372	2830	2258	42.91	22.87	35.33	44.28
Φ25.000	/	/	818.1	2634	4941	3199	2553	37.96	20.24	31.26	39.18
Φ25.400	1.000	1	858.0	2763	5182	3355	2677	36.19	19.30	29.81	37.35
Φ26.000	/	/	920.3	2963	5558	3598	2871	33.75	17.99	27.79	34.83
Φ26.988	1.063	1 1/16	1029	3314	6217	4024	3211	30.17	16.09	24.85	31.14
Φ27.000	/	/	1031	3319	6225	4030	3215	30.13	16.06	24.82	31.10
Φ28.000	/	/	1149	3701	6942	4494	3586	27.02	14.40	22.25	27.89
Φ28.575	1.125	1 1/8	1222	3934	7379	4777	3812	25.42	13.55	20.93	26.24
Φ29.000	/	/	1277	4112	7713	4993	3984	24.32	12.96	20.03	25.10
Φ30.000	/	/	1414	4552	8539	5528	4411	21.97	11.71	18.09	22.67
Φ30.163	1.188	1 3/16	1437	4627	8679	5618	4483	21.61	11.52	17.80	22.31
Φ31.000	/	/	1560	5023	9422	6099	4867	19.91	10.61	16.40	20.55
Φ31.750	1.250	1 1/4	1676	5396	10122	6552	5229	18.53	9.879	15.26	19.13
Φ32.000	/	/	1716	5525	10363	6708	5353	18.10	9.650	14.91	18.68
Φ33.000	/	/	1882	6059	11365	7357	5811	16.50	8.799	13.59	17.03
Φ34.000	/	/	2058	6627	12430	8041	6421	15.09	8.045	12.43	15.57
Φ34.925	1.375	1 3/8	2231	7182	13472	8721	6959	13.92	7.423	11.47	14.37
Φ35.000	/	/	2245	7229	13559	8776	7004	13.83	7.375	11.39	14.28
Φ36.000	/	/	2443	7866	14755	9552	7622	12.71	6.777	10.47	13.12
Φ37.000	/	/	2652	8540	16019	10370	8275	11.71	6.243	9.643	12.08
Φ38.000	/	/	2873	9251	17353	11234	8964	10.81	5.763	8.902	11.16
Φ38.100	1.500	1 1/2	2896	9325	17491	11323	9035	10.72	5.717	8.832	11.07
Φ39.000	/	/	3106	10001	18760	12144	9691	9.999	5.331	8.234	10.32
Φ40.000	/	/	3351	10790	20240	13103	10455	9.268	4.941	7.632	9.565
Φ41.275	1.625	1 5/8	3682	11855	22238	14396	11487	8.435	4.497	6.946	8.705
Φ41.672	1.641	1 25/39	3789	12201	22886	14815	11822	8.196	4.369	6.750	8.459
Φ42.000	/	/	3879	12491	23431	15168	12103	8.006	4.268	6.593	8.262
Φ44.000	/	/	4460	14362	26940	17439	13916	6.963	3.712	5.734	7.186
Φ45.000	/	/	4771	15364	28819	18656	14886	6.509	3.470	5.360	6.718
Φ46.000	/	/	5097	16411	30783	19927	15901	6.094	3.249	5.018	6.289

Φ47.625	1.875	1 7/8	5656	18212	34162	22115	17646	5.491	2.927	4.522	5.667
Φ48.000	/	/	5791	18646	34975	22641	18067	5.363	2.859	4.417	5.535
Φ50.000	/	/	6545	21075	39532	25591	20420	4.745	2.530	3.908	4.897
Φ50.800	2.000	2	6864	22103	41460	26839	21416	4.524	2.412	3.726	4.669
Φ52.000	/	/	7362	23706	44468	28786	22970	4.218	2.249	3.474	4.353
Φ54.000	/	/	8245	26548	49799	32237	25724	3.767	2.008	3.102	3.887
Φ55.000	/	/	8711	28051	52617	34061	27179	3.565	1.901	2.936	3.679
Φ56.000	/	/	9195	29609	55539	35953	28689	3.377	1.801	2.781	3.486
Φ57.150	2.250	2 1/4	9773	31470	59032	38214	30493	3.178	1.694	2.617	3.279
Φ58.000	/	/	10216	32896	61705	39945	31874	3.040	1.621	2.503	3.137
Φ60.000	/	/	11310	36417	68311	44221	35286	2.746	1.464	2.261	2.834
Φ62.000	/	/	12479	40182	75372	48792	38934	2.489	1.327	2.050	2.568
Φ63.500	2.500	2 1/2	13407	43169	80976	52420	41829	2.316	1.235	1.908	2.391
Φ64.000	/	/	13726	44197	82904	53668	42825	2.263	1.206	1.863	2.335
Φ65.000	/	/	14379	46301	86851	56023	44864	2.160	1.151	1.779	2.229
Φ66.000	/	/	15053	48471	89222	58358	46966	2.063	1.100	1.699	2.129
Φ66.675	2.625	2 5/8	15520	49974	93700	60923	48422	2.001	1.067	1.648	2.065
Φ68.000	/	/	16464	53013	99440	64373	51366	1.886	1.006	1.553	1.947
Φ69.850	2.750	2 3/4	17844	57458	107779	69771	55674	1.740	0.928	1.433	1.796
Φ70.000	/	/	17959	57829	108475	70221	56033	1.729	0.922	1.424	1.785
Φ73.025	2.875	2 7/8	20390	65655	123154	79724	63616	1.523	0.812	1.254	1.572
Φ76.200	3.000	3	23167	74597	139927	90582	72280	1.341	0.715	1.104	1.384
Φ79.375	3.125	3 1/8	26185	84315	158156	102383	81697	1.186	0.632	0.977	1.224
Φ82.550	3.250	3 1/4	29454	94843	177904	115167	91898	1.054	0.562	0.868	1.088
Φ85.725	3.375	3 3/8	32985	106213	199232	128973	102914	0.942	0.502	0.775	0.972
Φ88.900	3.500	3 1/2	36788	118457	222198	143840	114778	0.844	0.450	0.695	0.871
Φ92.075	3.625	3 5/8	40872	131607	246866	159809	127520	0.760	0.405	0.626	0.784
Φ95.250	3.750	3 3/4	45247	145697	273294	176917	141172	0.686	0.366	0.565	0.708
Φ101.600	4.000	4	54914	176822	331678	214712	171330	0.566	0.301	0.466	0.584