

Diamond Powder



Product Data

Product type:	Diamond Powder
Substance:	Carbon
% content:	> 99%

Suitable Applications

- Geological Specimens
- Laser Glasses
- Electro-Optic Materials
- Ceramics
- Metals
- Calcified Tissues

Introduction:

Logitech DP Diamond Powder offers the ultimate in quality and economy of operation and can be used with a wide variety of soft metal polishing plates and polishing cloths.

They are particularly useful for polishing and small rock specimens, minerals, thin sections and metallic ores where specific lubricant carriers are required.

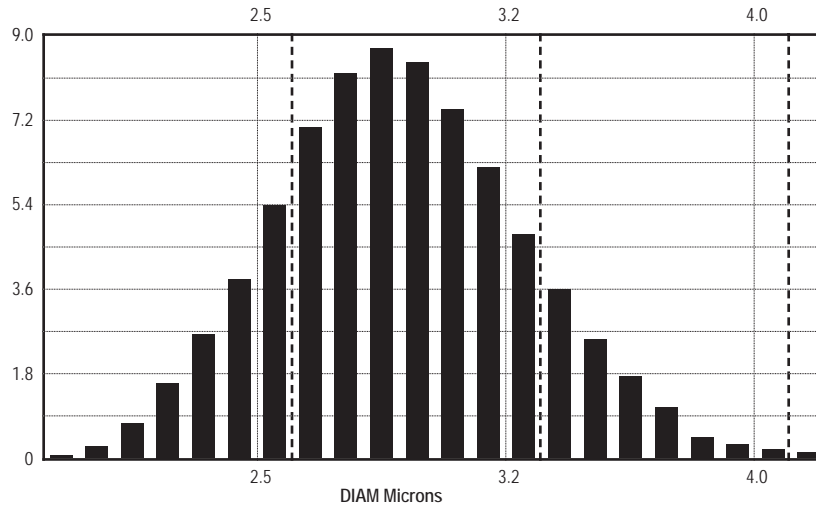
Diamond maintains its cutting ability longer than any other abrasive material, providing the user with a highly versatile material for lapping and polishing. The powders are manufactured to a very high standard providing the user with a uniform and repeatable product. Consequently, the excellent properties of diamond produce consistent results during successive lapping and polishing operations

Ordering Data:

Code	Micron size	Quantity	Type	Comment
0CON-276	1 micron	4 gram	Synthetic Monocrystalline	Fine polish
0CON-277	3 micron	4 gram	Synthetic Monocrystalline	↕ Rapid stock removal
0CON-278	6 micron	4 gram	Synthetic Monocrystalline	
0CON-279	1 micron	4 gram	Synthetic Polycrystalline	Fine polish
0CON-280	3 micron	4 gram	Synthetic Polycrystalline	↕ Rapid stock removal
0CON-281	6 micron	4 gram	Synthetic Polycrystalline	
0CON-282	50 micron	20 gram	Natural	Lapping of very hard substance
0CON-322	25 micron	20 gram	Natural	Lapping of sapphire

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Log-linear plot (relative)



Geometric Mean Size:	2.866 micron	Arithmetic Standard Deviation:	2.884 micron
Geometric Standard Deviation:	1.115 micron	Arithmetic Mean Size:	2.819 micron
Geometric Skewness:	0.040 micron	Median Size:	2.819 micron
Geometric Coefficient Variation:	38.89 micron	Mode Size:	2.822 micron
		Kurtosis:	40.862

Frequency Distribution Data

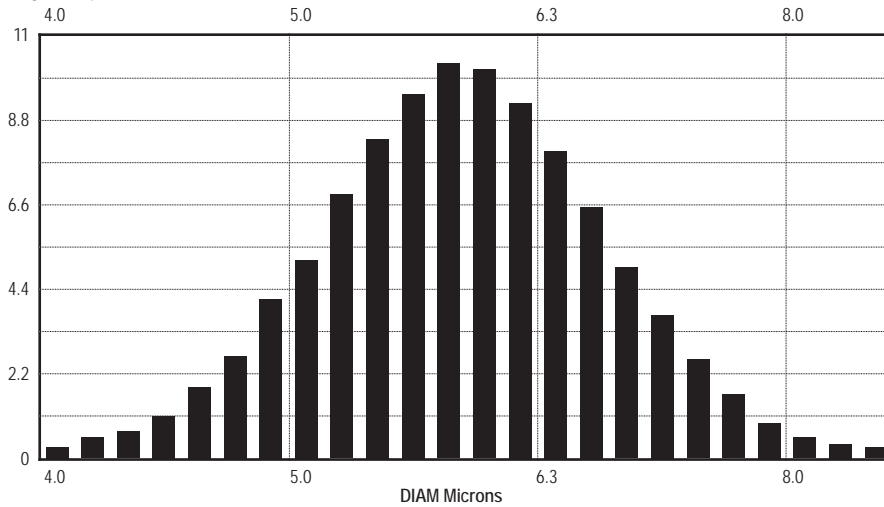
Total Population = 100%

Chnl	Size	Diff %	Cuml %
18	2.093	0.000	0.00
19	2.127	0.000	0.00
20	2.161	0.083	0.04
21	2.196	0.166	0.17
22	2.231	0.332	0.41
23	2.267	0.581	0.87
24	2.304	0.830	1.58
25	2.341	1.162	2.57
26	2.379	1.618	3.96
27	2.417	1.945	5.74
28	2.456	2.345	7.89
29	2.496	2.817	10.5
30	2.536	3.341	13.5
31	2.577	3.880	17.2
32	2.619	4.409	21.3
33	2.661	4.892	26.0
34	2.704	5.307	31.1
35	2.748	5.623	36.5
36	2.792	5.805	42.2
37	2.837	5.841	48.1
38	2.883	5.732	53.8
39	2.929	5.504	59.5
40	2.977	5.172	64.8
41	3.025	4.777	69.8
42	3.074	4.342	74.3
43	3.123	3.890	78.4
44	3.174	3.434	82.1
45	3.225	2.993	85.3
46	3.277	2.573	88.1
47	3.330	2.189	90.5
48	3.383	1.847	92.5
49	3.438	1.541	94.2
50	3.493	1.271	95.6

Chnl	Size	Diff %	Cuml %
51	3.550	1.017	96.7
52	3.607	0.788	97.7
53	3.665	0.591	98.3
54	3.724	0.436	98.9
55	3.785	0.316	99.2
56	3.846	0.228	99.5
57	3.908	0.161	99.7
58	3.971	0.114	99.8
59	4.035	0.083	99.9
60	4.100	0.052	100.0

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Log-linear plot (relative)



Geometric Mean Size:	5.831 micron	Arithmetic Standard Deviation:	0.792 micron
Geometric Standard Deviation:	1.131 micron	Arithmetic Mean Size:	5.880 micron
Geometric Skewness:	-0.001 micron	Median Size:	5.750 micron
Geometric Coefficient Variation:	19.39 micron	Mode Size:	5.832 micron
		Kurtosis:	28.673

Frequency Distribution Data

Total Population = 100%

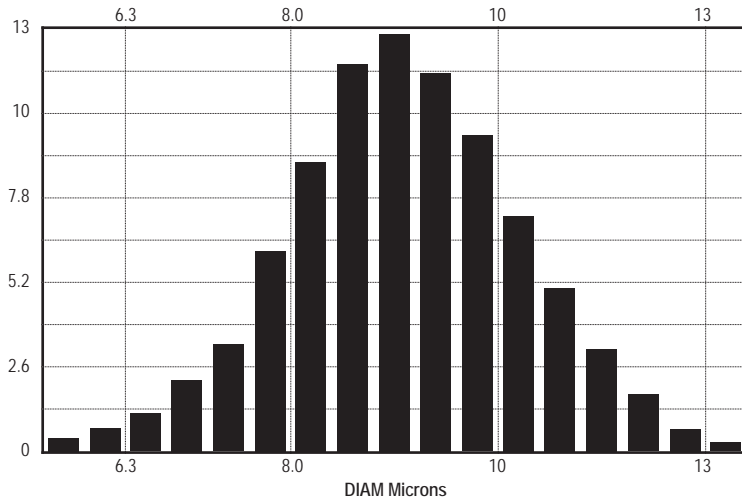
Chnl	Size	Diff %	Cuml %
27	3.910	0.132	0.00
28	3.977	0.160	0.15
29	4.046	0.207	0.33
30	4.115	0.255	0.56
31	4.186	0.311	0.84
32	4.258	0.377	1.19
33	4.331	0.462	1.61
34	4.406	0.585	2.13
35	4.482	0.745	2.80
36	4.559	0.943	6.34
37	4.637	1.188	4.70
38	4.717	1.471	6.03
39	4.798	1.782	7.66
40	4.881	2.112	9.61
41	4.965	2.461	11.9
42	5.050	2.828	14.5
43	5.137	3.215	17.6
44	5.225	3.602	21.0
45	5.315	3.988	24.8
46	5.407	4.337	28.9
47	5.500	4.629	33.4
48	5.594	4.865	38.2
49	5.691	5.025	43.1
50	5.789	5.101	48.2
51	5.888	5.091	53.3
52	5.990	4.978	58.3
53	6.093	4.790	63.2
54	6.197	4.516	67.8
55	6.304	4.196	72.2
56	6.413	3.847	76.2
57	6.523	3.488	79.9
58	6.635	3.121	83.2
59	6.749	2.772	86.1
60	6.865	2.423	88.7

Chnl	Size	Diff %	Cuml %
61	6.984	2.084	91.0
62	7.104	1.763	92.9
63	7.226	1.461	94.5
64	7.350	1.197	95.8
65	7.477	0.952	96.9
66	7.605	0.754	97.8
67	7.736	0.575	98.4
68	7.869	0.434	98.9
69	8.005	0.321	99.3
70	8.142	0.226	99.6
71	8.283	0.160	99.8
72	8.425	0.104	99.9
73	8.570	0.066	100.0

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Log-linear plot (relative)



Geometric Mean Size: 8.632 micron
 Geometric Standard Deviation: 1.113 micron
 Geometric Skewness: 0.137 micron
 Geometric Coefficient Variation: 12.89 micron
 Arithmetic Standard Deviation: 1.129 micron
 Arithmetic Mean Size: 8.693 micron
 Median Size: 8.553 micron
 Mode Size: 8.480 micron
 Kurtosis: 30.960

Frequency Distribution Data

Total Population = 100%

Chnl	Size	Diff %	Cuml %
50	5.801	0.167	0.00
51	5.947	0.239	0.20
52	6.088	0.335	0.49
53	6.232	0.383	0.85
54	6.380	0.574	1.33
55	6.531	0.741	1.98
56	6.685	1.028	2.87
57	6.843	1.483	4.12
58	7.005	1.841	5.79
59	7.171	2.606	8.01
60	7.341	3.276	11.0
61	7.514	3.826	14.5
62	7.692	4.687	18.8
63	7.874	5.524	23.9
64	8.061	6.552	29.9
65	8.251	7.245	36.8
66	8.447	7.461	44.2
67	8.646	7.317	51.5
68	8.851	7.006	58.7
69	9.060	6.528	65.5
70	9.275	5.858	71.7
71	9.494	5.285	77.2
72	9.719	4.495	82.1
73	9.949	3.826	86.3
74	10.18	3.109	89.8
75	10.43	2.559	92.6
76	10.67	2.056	94.9
77	10.92	1.506	96.7
78	11.18	1.052	98.0
79	11.45	0.717	98.8
80	11.72	0.407	99.4
81	12.00	0.239	99.7
82	12.28	0.120	99.9
83	12.57	0.072	100.0



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