

Sample	D1 int	D1 pos	D1 width	D1 area	G int	G pos	G width	G area	D2 int	D2 pos	D2 width	D2 area	R2	T (°C)	
														0	
	1351.659	13.680	35.495	638.248	1581.305	69.715	18.550	1857.300	1621.965	5.912	11.657	88.132	0.247	531	
	1352.421	6.070	36.713	277.065	1580.884	37.573	16.829	911.345	1621.935	2.412	10.963	31.067	0.227	540	
	1354.634	5.594	39.129	293.603	1580.742	62.540	15.834	1475.998	1622.479	9.846	8.536	95.636	0.157	571	
	1350.138	4.643	40.723	215.735	1576.265	71.516	14.979	1583.251	1617.240	5.282	9.882	55.559	0.116	589	
	1351.934	5.187	40.270	251.352	1578.263	70.053	15.526	1610.397	1619.514	2.177	11.746	33.354	0.133	582	
	1352.993	3.170	39.572	180.638	1580.483	33.593	15.350	752.141	1621.728	2.510	9.362	30.567	0.188	558	
	1351.501	5.445	38.712	250.292	1579.580	41.096	15.544	940.387	1620.658	2.297	10.214	28.398	0.205	550	
Pre-shear highly crystalline graphite powder	1349.177	16.162	39.093	811.786	1578.225	93.347	16.540	2287.891	1618.982	5.882	12.533	79.928	0.255	527	
	1351.779	5.377	38.113	244.970	1579.662	31.802	15.333	714.719	1621.408	2.923	9.096	34.249	0.246	531	
	1344.394	6.406	40.927	360.025	1571.595	65.336	18.414	1784.308	1608.854	1.743	21.064	39.083	0.165	568	
	1350.942	6.047	37.918	297.835	1577.333	59.522	15.275	1350.865	1618.668	4.564	9.157	49.228	0.175	563	
	1350.973	2.944	37.263	128.905	1579.135	101.507	14.324	2161.300	1620.734	1.395	5.608	8.328	0.056	616	
	1352.140	11.632	38.562	535.606	1580.221	69.701	15.236	1585.251	1621.738	6.248	8.813	74.937	0.244	532	
	1339.519	1.825	51.497	104.264	1562.696	43.124	17.449	1135.353	1601.074	1.470	12.074	18.893	0.083	604	
	1350.976	5.016	42.778	282.264	1578.499	33.300	16.583	821.564	1619.828	3.061	10.182	34.707	0.248	531	
				0.000	1578.818	72.061	16.095	1653.705					0.000	0.000	641
	1350.947	7.504	37.888	302.643	1578.807	83.278	18.155	2156.869	1619.765	4.245	9.540	62.728	0.120	588	
	1349.000	28.661	40.083	1472.064	1578.118	106.824	17.585	2786.704	1619.166	15.972	10.763	236.593	0.327	495	
	1342.384	5.279	42.306	307.347	1570.658	55.726	16.924	1420.718	1608.766	3.888	13.356	64.755	0.171	565	
	1344.134	4.276	41.989	246.515	1573.146	76.048	19.894	2197.182					0.101	596	
														Average:	0.173
	1348.524	48.324	47.427	3307.065	1581.918	60.724	28.779	2542.366	1615.803	15.629	26.182	435.581	0.526	407	
	1348.828	68.545	46.925	4658.432	1582.971	71.533	30.837	3252.492	1616.918	20.103	24.771	530.057	0.552	395	
	1348.477	61.698	48.512	4363.084	1581.800	77.698	28.968	3303.860	1615.944	20.465	26.052	567.514	0.530	405	
	1348.709	48.845	47.833	3422.793	1582.210	62.274	29.243	2640.734	1616.385	16.790	25.806	461.200	0.525	408	
	1349.271	26.486	46.857	1803.653	1580.977	67.998	24.822	2438.606	1615.999	8.035	27.798	237.744	0.403	462	
	1348.651	54.200	48.022	3786.511	1581.519	77.042	27.757	3126.506	1615.670	17.895	27.658	526.850	0.509	415	
	1348.440	68.025	47.463	4820.986	1582.507	71.653	29.489	3149.952	1616.204	20.004	25.683	546.869	0.566	389	
	1348.990	49.179	48.371	3561.784	1582.418	59.806	28.508	2487.540	1616.710	15.860	25.690	433.705	0.549	397	
	1348.743	54.730	48.266	3850.335	1581.489	73.780	27.423	2904.139	1615.503	17.965	26.560	507.926	0.530	405	
Exp. 1 5 MPa, 1 μm/s, 20 mm	1349.158	40.436	47.266	2807.972	1581.432	66.234	27.440	2611.879	1616.674	12.533	25.333	337.699	0.488	424	
	1348.843	47.768	46.851	3253.741	1581.405	74.367	26.532	2868.785	1616.046	14.908	26.249	416.538	0.498	420	
	1347.862	105.578	50.070	7950.398	1584.155	85.424	34.099	4357.258	1616.032	30.843	23.512	771.924	0.608	371	
	1349.304	27.955	46.914	1960.953	1580.711	74.596	22.959	2526.085	1615.687	8.827	29.148	273.887	0.412	458	
	1348.880	52.831	48.002	3716.390	1581.384	73.241	27.441	2918.920	1615.811	17.072	26.320	478.300	0.522	409	
	1348.688	59.153	48.076	4215.771	1581.863	76.045	27.745	3128.364	1615.858	18.925	26.758	539.038	0.535	403	
	1349.379	43.965	47.453	3044.405	1581.252	75.564	24.723	2708.903	1615.327	14.475	28.372	437.171	0.492	422	
	1349.338	33.948	46.504	2294.322	1581.053	74.269	24.522	2654.988	1615.545	11.045	29.182	343.086	0.434	448	
	1348.894	50.724	47.874	3646.326	1581.413	77.033	26.743	3003.598	1615.797	17.524	26.898	501.750	0.510	414	
	1349.660	39.703	47.377	2732.041	1581.145	74.387	24.205	2625.484	1615.947	12.879	28.094	385.147	0.476	429	
	1349.235	38.182	46.442	2601.163	1580.825	73.019	24.777	2648.067	1616.269	11.700	26.324	327.840	0.466	433	
														Average:	0.506
		1348.313	51.473	44.235	3126.703	1580.753	89.436	25.664	3117.896	1616.242	16.051	23.800	406.654	0.470	432
		1348.486	36.329	44.114	2166.959	1580.109	76.799	24.363	2534.409	1614.731	10.639	25.330	286.853	0.434	448
	1348.976	54.501	44.290	3314.059	1581.077	101.253	24.614	3467.712	1616.076	17.201	26.250	480.639	0.456	438	
	1349.595	32.044	43.971	1899.606	1580.759	85.571	23.133	2734.369	1615.709	9.628	26.540	271.995	0.387	469	
	1349.529	35.548	43.879	2095.240	1580.449	90.306	22.598	2828.860	1615.341	10.206	26.728	290.363	0.402	462	
	1349.337	28.416	44.495	1691.787	1580.702	68.638	23.952	2256.560	1615.113	9.719	29.079	300.843	0.398	464	
	1348.590	36.364	46.005	2322.618	1580.912	78.727	21.840	2448.603	1614.515	12.208	28.738	373.441	0.451	440	
	1348.166	43.599	45.753	2761.450	1580.323	78.699	25.042	2738.421	1614.884	14.353	27.474	419.744	0.466	433	
	1348.573	49.211	46.329	3198.885	1581.898	61.761	28.319	2373.087	1616.496	16.624	25.402	449.500	0.531	405	
Exp. 2 5 MPa, 1 μm/s, 10 mm	1349.461	32.934	45.238	2046.764	1580.961	71.135	23.918	2325.425	1615.777	10.648	27.190	308.191	0.437	446	
	1347.885	56.789	46.727	3658.793	1581.804	61.262	28.141	2381.005	1615.657	18.684	25.578	508.712	0.559	392	
	1349.581	27.255	45.084	1689.182	1580.771	59.941	23.287	1961.735	1615.657	8.663	28.679	264.463	0.431	449	
	1348.884	28.684	45.431	1783.042	1581.286	49.591	26.027	1755.589	1616.565	9.347	26.125	259.937	0.469	432	
	1348.142	37.237	44.497	2291.272	1580.555	57.112	25.962	1991.749	1615.280	11.303	24.933	299.885	0.500	419	
	1348.807	23.669	44.914	1494.233	1579.763	68.421	21.618	2086.927	1613.987	7.899	31.936	261.813	0.389	468	
	1349.395	25.256	44.220	1553.404	1581.013	59.884	22.800	1881.632	1615.294	7.522	26.787	214.488	0.426	452	
	1349.637	17.206	45.143	1050.793	1581.209	49.624	24.571	1686.379	1616.910	4.896	25.679	133.832	0.366	478	
	1349.604	17.706	44.891	1084.071	1580.812	53.312	24.291	1782.831	1616.347	5.199	26.141	144.674	0.360	481	
	1349.212	12.395	46.133	796.425	1580.440	46.056	23.046	1489.073	1614.620	4.017	29.242	125.050	0.330	494	
	1349.074	33.403	46.386	2113.413	1582.177	51.040	27.313	1869.115	1616.758	10.930	25.666	298.630	0.494	421	
														Average:	0.438
		1347.990	48.859	48.164	3196.088	1581.285	65.015	27.760	2455.314	1614.771	17.583	27.092	507.064	0.519	410
		1347.769	50.987	46.297	3241.708	1580.871	66.973	27.706	2539.113	1614.988	16.975	26.544	479.638	0.518	411
	1348.355	45.263	46.196	2817.464	1580.916	69.422	26.843	2508.971	1614.820	14.812	27.679	436.421	0.489	423	
	1348.206	62.537	46.738	4096.974	1582.204	66.709	29.360	2607.137	1616.117	21.367	25.664	583.699	0.562	391	
	1347.392	54.206	46.687	3448.641	1580.212	75.965	27.349	2859.707	1614.453						

	1348.382	56.368	44.077	3351.943	1580.353	112.666	24.879	3856.436	1615.455	17.688	26.721	503.113	0.435	448
	1348.177	60.655	44.623	3793.730	1580.586	104.039	23.755	3485.355	1615.028	17.874	27.315	519.699	0.486	425
	1348.696	31.462	44.898	1917.034	1580.367	93.395	22.104	2908.263	1614.524	10.076	28.239	302.893	0.374	475
	1348.153	44.475	45.142	2761.576	1580.370	79.273	25.237	2774.913	1615.086	13.887	27.403	405.076	0.465	434
	1348.737	42.742	43.713	2557.950	1580.206	96.760	23.053	3124.593	1615.171	13.102	27.588	384.770	0.422	453
	1348.436	25.894	45.498	1607.400	1579.242	78.863	21.778	2404.815	1612.433	9.161	31.793	310.032	0.372	476
	1348.410	46.960	46.254	3059.487	1581.379	68.216	26.154	2399.578	1615.435	16.139	26.575	456.530	0.517	411
	1348.577	31.182	44.547	1917.108	1580.181	70.302	24.317	2325.700	1614.158	9.367	27.779	276.978	0.424	452
	1349.172	24.434	43.909	1460.790	1580.185	67.190	22.098	2043.237	1613.167	7.302	29.214	227.069	0.392	467
Exp. 5	1348.997	18.036	46.866	1139.224	1580.153	65.742	21.589	1975.825	1612.758	5.986	29.858	190.247	0.345	488
5 MPa, 100 µm/s, 20 mm	1348.314	52.252	47.073	3485.528	1582.535	58.886	29.621	2307.478	1616.324	17.631	25.144	471.886	0.556	393
	1348.944	34.495	47.523	2265.175	1580.838	72.999	23.927	2438.890	1614.416	12.175	28.292	366.654	0.447	442
	1349.145	35.244	46.118	2215.252	1581.276	66.155	26.388	2443.528	1616.217	11.385	27.445	332.597	0.444	444
	1348.127	64.957	48.241	4374.929	1582.777	68.143	30.384	2808.340	1616.297	23.274	26.654	660.333	0.558	393
	1348.854	31.294	46.706	1980.203	1580.509	67.100	24.004	2258.223	1614.345	10.654	29.693	336.753	0.433	448
	1347.944	37.723	46.484	2470.312	1580.729	54.045	26.200	2015.591	1614.263	12.767	29.693	406.417	0.505	416
	1348.545	22.182	45.610	1395.157	1579.932	54.867	24.043	1830.889	1614.410	7.398	29.082	229.002	0.404	461
	1348.394	39.856	46.798	2549.551	1580.365	62.433	25.928	2164.306	1614.303	14.049	27.866	416.718	0.497	420
	1347.564	59.528	47.080	3897.153	1581.295	69.275	28.928	2728.059	1615.139	20.364	26.429	572.904	0.541	400
	1349.119	37.308	44.325	2249.961	1581.393	63.482	26.666	2329.629	1616.899	11.515	25.613	313.950	0.460	436
												Average:	0.454	
	1349.561	26.046	45.226	1532.798	1580.451	84.696	23.305	2733.772	1615.722	7.898	26.759	224.971	0.341	489
	1347.695	50.460	45.173	3162.915	1580.224	75.335	26.583	2780.154	1615.174	15.094	26.736	429.555	0.496	420
	1348.445	40.016	44.703	2520.636	1580.549	84.677	24.513	2876.010	1615.505	12.459	26.387	349.937	0.439	446
	1349.316	40.542	44.252	2419.097	1580.378	109.661	21.823	3404.033	1615.792	12.236	28.398	369.870	0.391	467
	1348.500	33.163	46.006	2111.090	1580.601	79.961	23.179	2630.080	1615.107	10.390	29.953	331.266	0.416	456
	1347.972	49.508	43.662	2963.988	1580.350	89.909	26.346	3215.382	1616.105	14.781	25.303	398.123	0.451	440
	1348.721	32.586	45.177	2016.727	1579.741	78.425	23.652	2581.064	1614.358	10.061	29.023	310.842	0.411	458
	1348.842	32.554	44.923	1974.918	1580.418	84.356	23.550	2754.721	1615.847	10.198	26.242	284.869	0.394	466
	1349.381	48.633	42.469	2823.517	1581.083	95.082	24.303	3154.869	1616.934	13.764	24.325	356.382	0.446	443
Exp. 6	1348.651	43.373	44.637	2710.997	1580.516	84.399	24.109	2865.123	1615.602	13.498	27.120	389.662	0.454	439
5 MPa, 100 µm/s, 10 mm	1350.509	25.370	44.077	1440.231	1580.670	76.769	21.622	2355.425	1617.160	7.429	26.282	207.840	0.360	481
	1348.731	37.328	45.999	2423.180	1580.939	81.004	25.439	2842.380	1615.864	12.026	27.677	354.304	0.431	449
	1349.373	39.785	43.584	2361.649	1580.775	91.886	23.046	2954.563	1615.529	12.242	25.341	330.237	0.418	455
	1348.206	47.480	44.892	2993.650	1580.593	78.652	26.245	2866.238	1615.572	14.632	26.928	419.399	0.477	429
	1348.665	42.132	45.164	2679.456	1580.921	79.150	24.536	2696.432	1615.174	13.586	27.421	396.659	0.464	434
	1348.392	29.599	47.969	1919.670	1580.674	72.594	25.805	2610.328	1615.075	9.547	27.159	276.001	0.399	463
	1347.585	69.937	45.876	4536.655	1581.342	84.879	25.980	3071.036	1614.318	23.926	29.241	744.727	0.543	399
	1347.760	52.126	45.146	3289.897	1580.815	74.302	27.450	2807.212	1615.859	16.161	25.888	445.532	0.503	417
	1348.984	26.554	44.802	1604.011	1580.306	77.272	23.034	2506.574	1615.414	7.862	27.310	227.969	0.370	476
	1349.308	27.889	44.655	1677.597	1580.961	66.045	23.822	2201.999	1616.361	8.650	27.173	250.202	0.406	460
												Average:	0.430	
	1348.517	48.548	48.958	3357.220	1582.418	62.205	29.492	2457.157	1616.421	19.449	26.589	550.464	0.527	406
	1348.438	73.400	49.123	5066.791	1583.006	78.859	29.385	3144.797	1616.200	28.508	26.590	818.808	0.561	391
	1349.284	34.626	46.443	2193.260	1581.366	73.793	24.776	2548.847	1615.289	12.568	28.856	386.029	0.428	451
	1348.677	59.254	47.480	3852.522	1581.964	80.184	27.812	3017.487	1615.948	21.098	26.718	600.049	0.516	412
	1349.141	51.363	47.116	3372.557	1582.243	82.636	27.298	3054.283	1616.840	18.653	26.967	535.431	0.484	425
	1348.623	50.052	47.517	3256.739	1581.861	67.231	28.263	2549.139	1616.202	18.411	26.465	518.636	0.515	412
	1348.609	53.306	48.293	3595.915	1581.645	76.690	27.908	2963.839	1615.960	18.763	27.347	546.184	0.506	414
	1349.815	22.141	46.008	1394.670	1580.521	72.806	23.597	2405.530	1615.075	7.447	30.096	238.579	0.345	487
	1349.347	32.457	46.552	2067.070	1581.230	79.186	24.026	2597.913	1614.857	11.986	28.882	368.481	0.411	458
Exp. 8	1347.093	86.801	50.523	6194.527	1582.357	81.963	31.666	3576.012	1615.012	31.750	26.376	905.330	0.580	383
25 MPa, 1 µm/s, 20 mm	1348.739	47.762	48.121	3200.406	1581.683	77.327	26.512	2801.776	1615.515	18.058	27.415	526.986	0.490	423
	1348.344	60.893	47.286	3960.078	1581.365	92.878	27.317	3461.557	1616.059	20.073	26.493	566.084	0.496	420
	1348.357	86.527	48.515	5888.116	1582.781	93.065	29.659	3732.933	1616.125	31.761	27.051	914.574	0.559	392
	1347.987	86.549	48.682	5916.158	1582.859	90.847	30.490	3746.349	1616.576	29.846	25.815	992.856	0.555	394
	1348.210	70.636	47.788	4769.277	1581.555	87.770	27.481	3283.043	1615.369	25.150	27.687	741.241	0.542	400
	1347.469	67.566	48.172	4584.501	1580.742	83.145	28.729	3265.207	1614.604	23.805	26.827	679.769	0.537	407
	1347.939	78.050	47.944	5309.795	1582.073	86.312	29.359	3466.005	1615.663	26.365	26.467	742.788	0.558	393
	1347.748	88.175	48.743	6161.381	1582.281	93.994	29.257	3750.590	1615.062	33.277	28.397	1008.400	0.564	390
	1347.617	105.105	50.048	7491.024	1583.721	92.086	31.834	3999.433	1615.737	40.113	26.577	1189.871	0.591	378
	1342.118	145.250	52.520	10791.415	1578.010	96.092	36.503	4760.146	1608.927	45.759	26.618	1524.960	0.632	360
												Average:	0.520	
	1347.677	51.005	48.383	3460.972	1581.245	62.695	27.664	2416.065	1614.574	18.467	29.001	582.529	0.536	403
	1346.647	67.759	48.677	4592.010	1581.062	69.075	29.618	2772.398	1614.205	23.814	27.417	697.198	0.570	388
	1346.450	100.624	47.857	6857.426	1583.308	75.269	32.582	3316.501	1615.248	32.418	26.311	945.908	0.617	367
	1348.099	47.032	47.321	3103.483	1581.367	68.558	28.887	2614.781	1615.592	16.147	25.584	439.748	0.504	417
	1346.819	83.416	48.778	5740.682	1582.274	71.281	30.510	2953.581	1614.564	28.142	27.479	824.673	0.603	373
	1346.522	61.567	48.774	4194.478	1580.564	65.275	29.660	2588.051	1613.892	21.800	27.766	644.328	0.565	390
	1346.551	93.739	48.474	6475.176	1583.235	69.903	32.197	3029.417	1614.962	30.236	26.651	857.759	0.625	363
	1347.195	81.286	46.461	5418.888	1582.420	69.816	29.841	2855.476	1614.835	26.856	27.886	797.165	0.597	375
	1346.422	71.828	47.724	4845.266	1585.946	40.546	36.840	2012.440	1616.000	20.504	23.883	521.260	0.657	349
Exp.9	1347.068	80.292	48.071	5455.110	1582.252	71.305	31.458	3029.137	1615.184	26.234	26.705	745.745	0.591	378
25 MPa, 10 µm/s, 20 mm	1347.003	95.404	49.105	6540.182	1583.309	74.671	33.407	3408.736	1615.398	3				

Exp. 10
25 MPa, 100 µm/s, 20 mm

1346.416	87.280	48.567	6022.858	1582.338	77.035	30.120	3281.878	1614.218	28.982	28.203	933.126	0.588	379
1344.369	136.458	50.028	9729.084	1582.832	82.451	35.774	4053.746	1613.176	40.836	26.516	1240.343	0.648	353
1346.860	95.698	48.070	6543.283	1585.123	61.933	35.227	2890.080	1616.499	31.126	26.549	927.636	0.632	360
1346.393	107.967	48.315	7481.001	1583.963	74.614	33.704	3410.463	1615.509	34.052	26.832	993.077	0.629	361
1347.549	64.526	47.397	4404.875	1582.320	70.359	26.502	2579.233	1614.805	22.859	29.204	710.609	0.572	386
1347.163	48.247	47.439	3232.902	1580.766	58.758	24.944	2068.914	1612.736	17.630	32.549	610.838	0.547	398
1347.152	62.336	47.704	4248.241	1582.271	57.064	30.582	2405.957	1615.123	20.249	28.311	615.616	0.584	381
1346.214	102.141	48.641	7101.432	1583.623	73.311	33.992	3340.020	1615.346	31.999	26.285	900.742	0.626	362
1347.001	98.877	47.538	6694.393	1584.084	68.899	34.338	3176.860	1616.075	32.007	26.478	970.272	0.617	366
1346.681	100.844	48.630	7027.648	1585.086	66.653	35.945	3118.627	1616.638	31.504	25.538	922.354	0.635	358
1346.821	57.464	48.354	3928.364	1581.786	52.146	31.157	2203.032	1614.911	19.295	26.838	551.223	0.588	379
1347.528	40.484	47.236	2694.067	1580.812	60.427	26.132	2214.268	1613.948	14.290	29.680	451.472	0.503	417
1346.423	88.895	48.370	6176.757	1582.785	67.719	32.089	2962.873	1614.705	29.124	28.536	892.306	0.616	367
1346.985	67.912	48.770	4650.757	1582.673	57.514	31.503	2439.436	1615.278	24.238	26.775	743.381	0.594	377
1346.962	71.784	47.843	4896.750	1582.981	60.997	30.547	2462.994	1615.240	23.402	26.510	660.381	0.611	369
1347.175	64.889	48.623	4462.913	1583.600	53.537	32.899	2384.042	1616.198	22.198	25.994	676.758	0.593	377
1345.766	92.424	47.911	6341.542	1584.149	57.601	36.250	2741.965	1615.434	27.535	25.508	811.943	0.641	356
1346.484	69.216	48.208	4741.802	1582.379	55.613	32.836	2410.036	1615.040	23.277	27.509	681.603	0.605	372
1345.204	121.467	48.579	8473.319	1584.574	70.214	36.932	3436.877	1614.799	33.962	24.967	902.579	0.661	347
1346.703	48.346	49.075	3319.275	1581.708	44.196	31.230	1873.653	1614.310	17.053	27.539	499.894	0.583	382

Average: 0.604