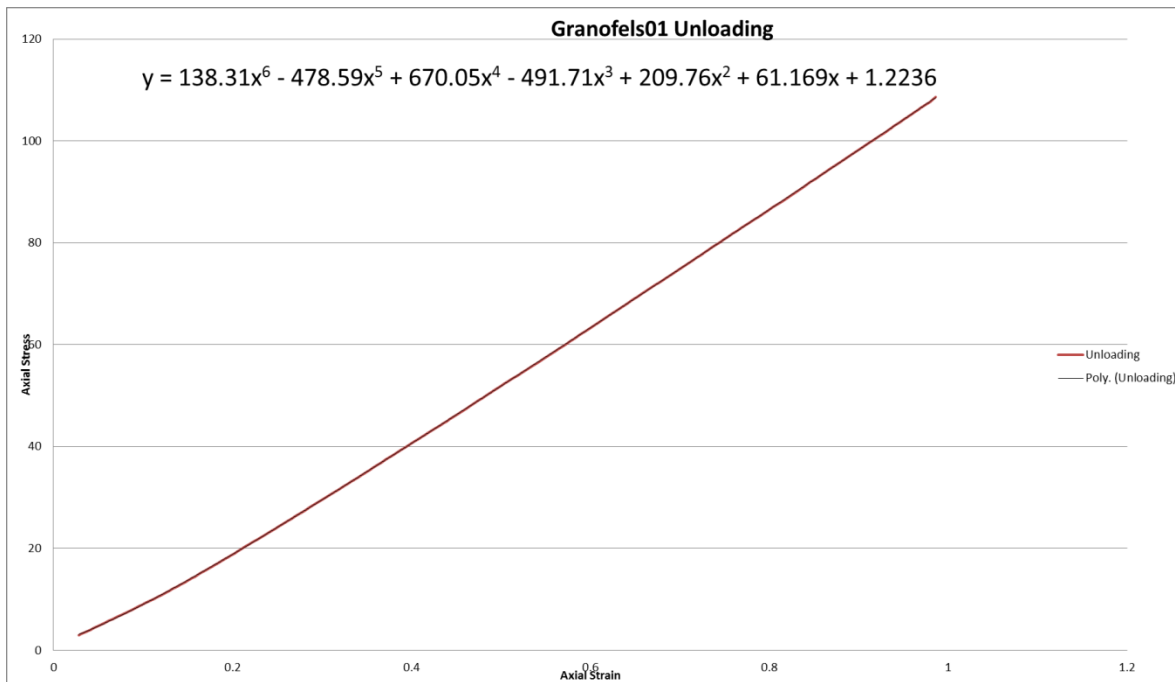
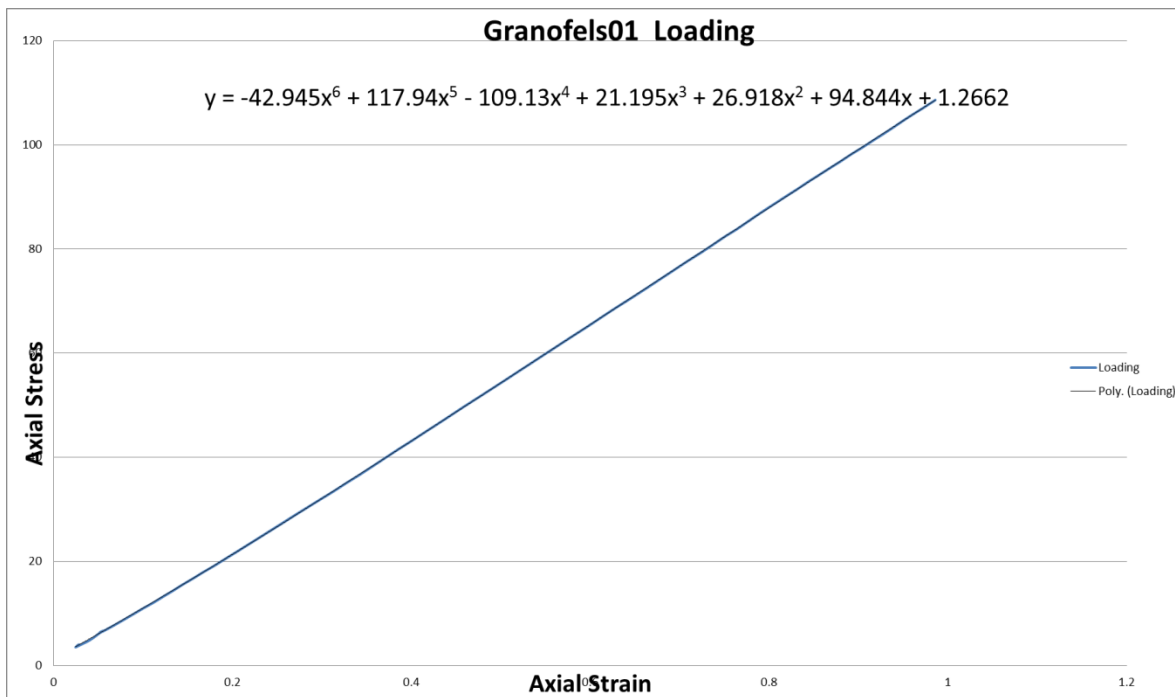
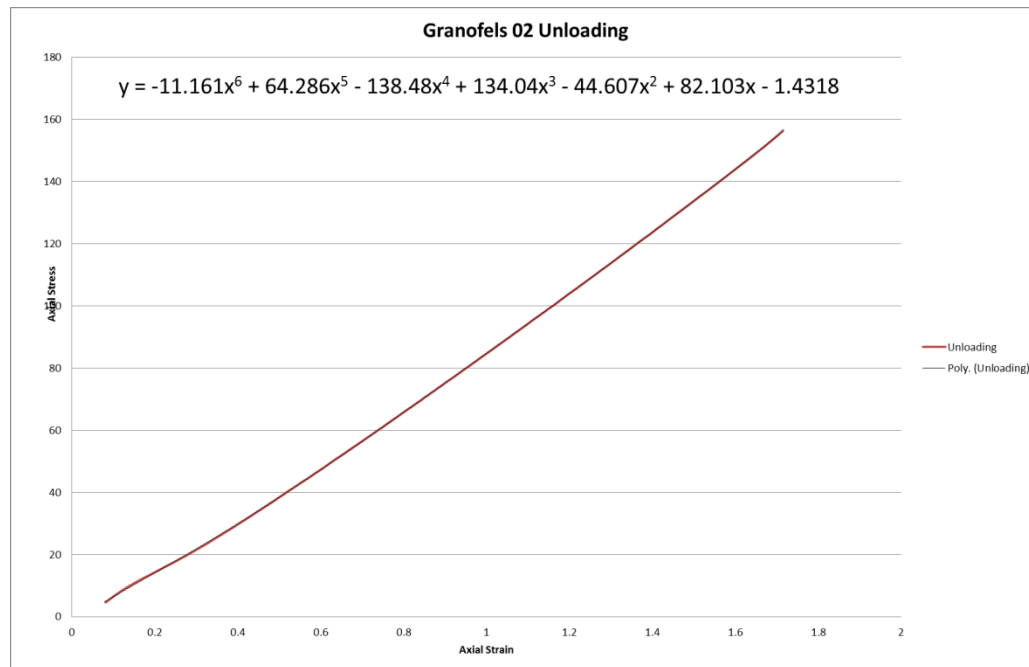
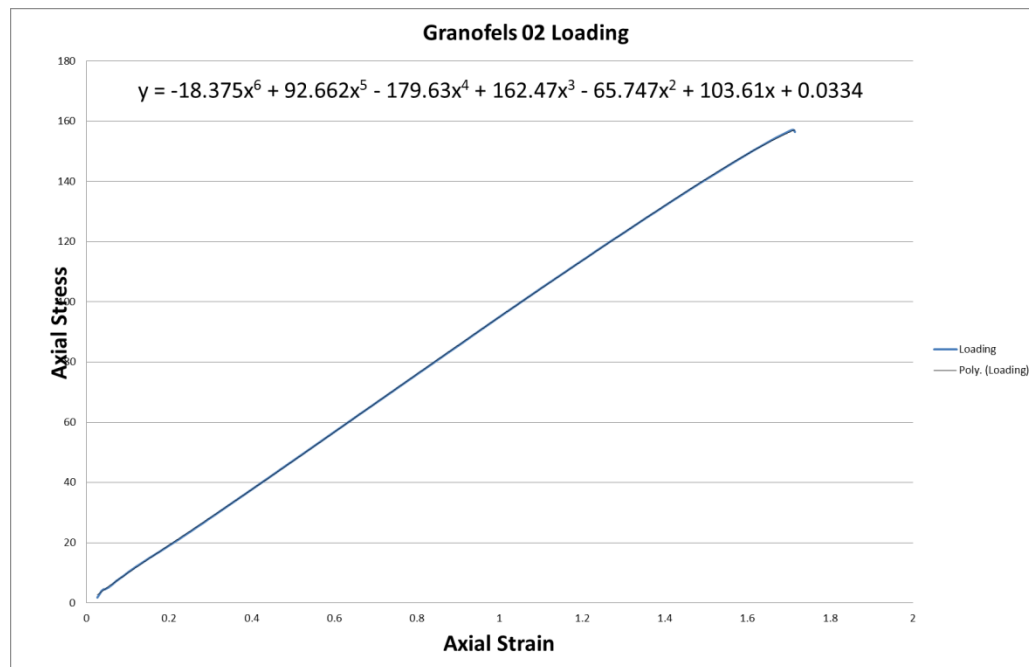
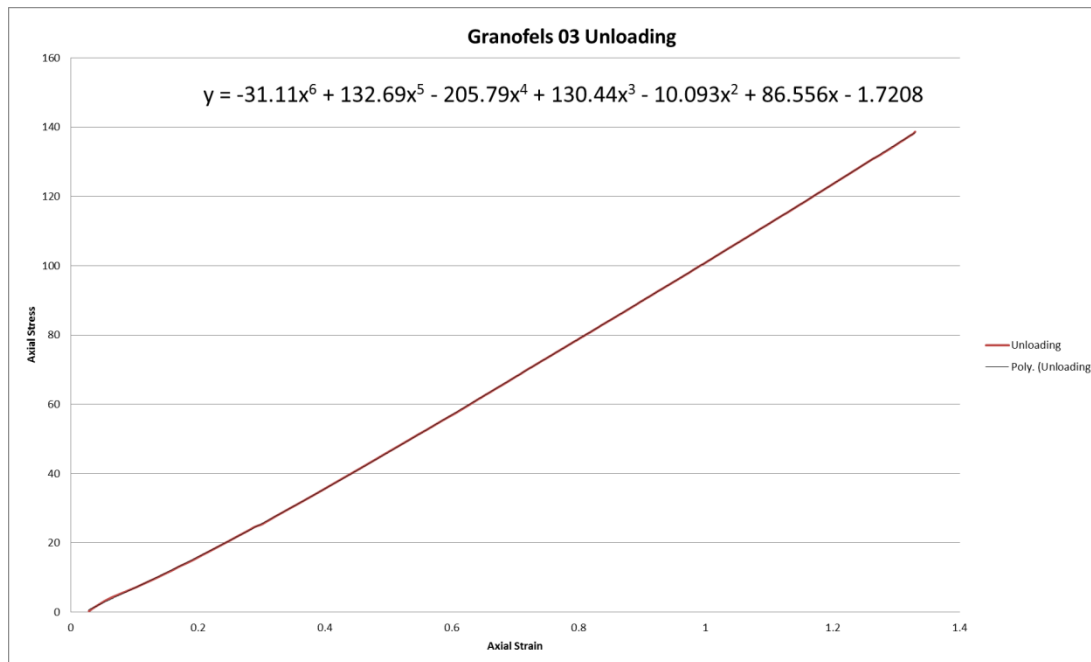
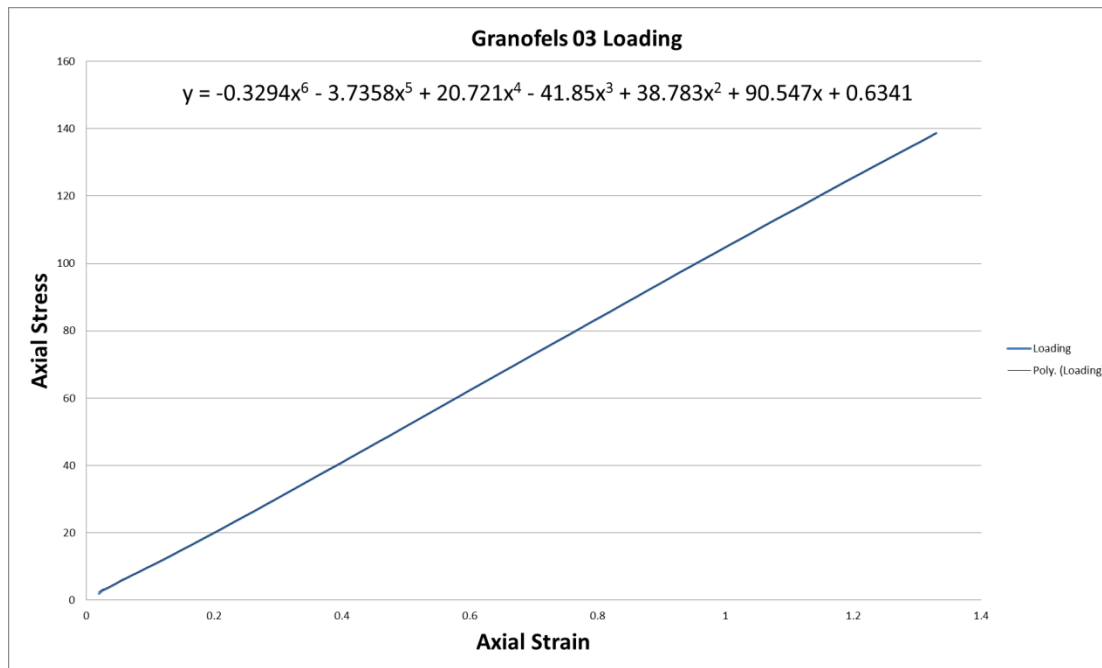
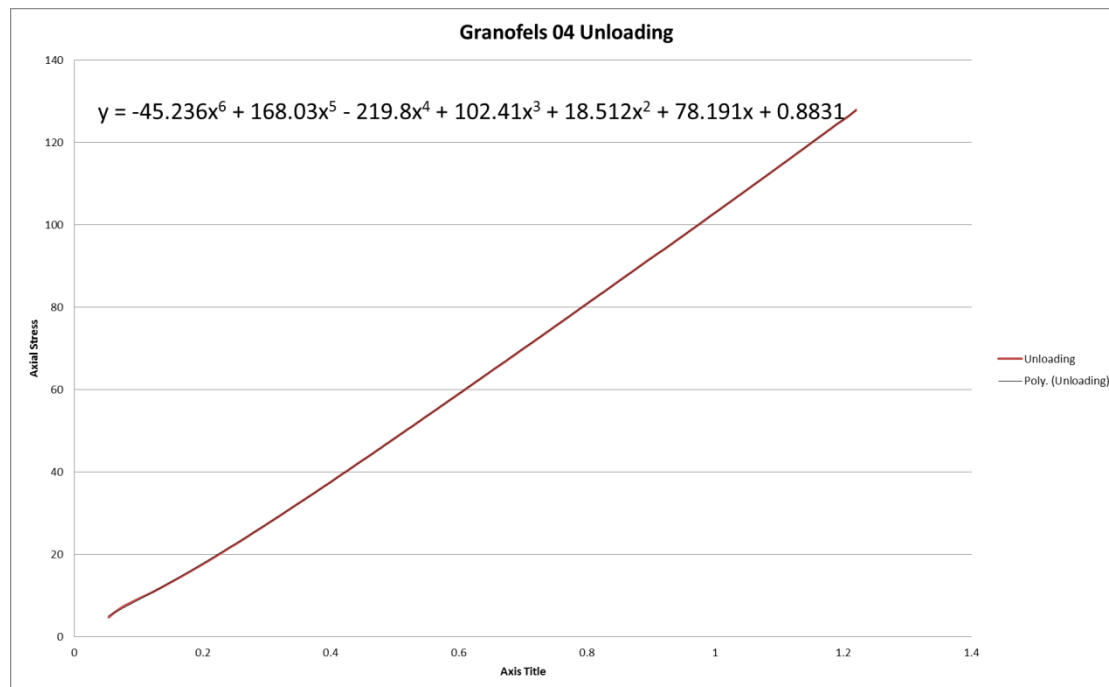
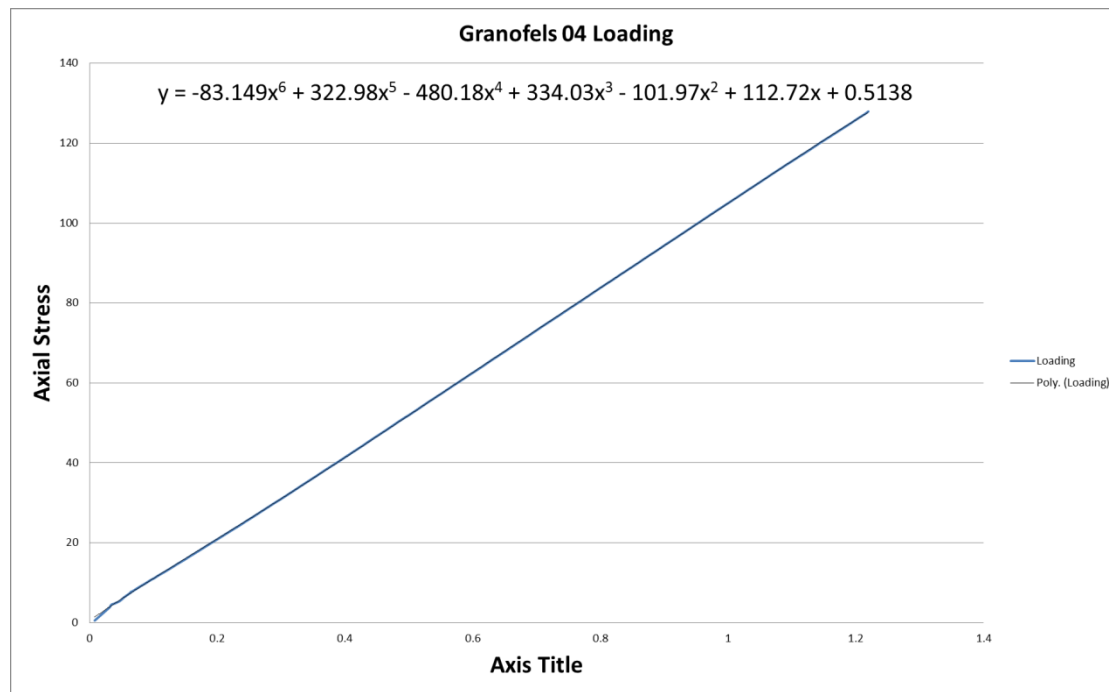


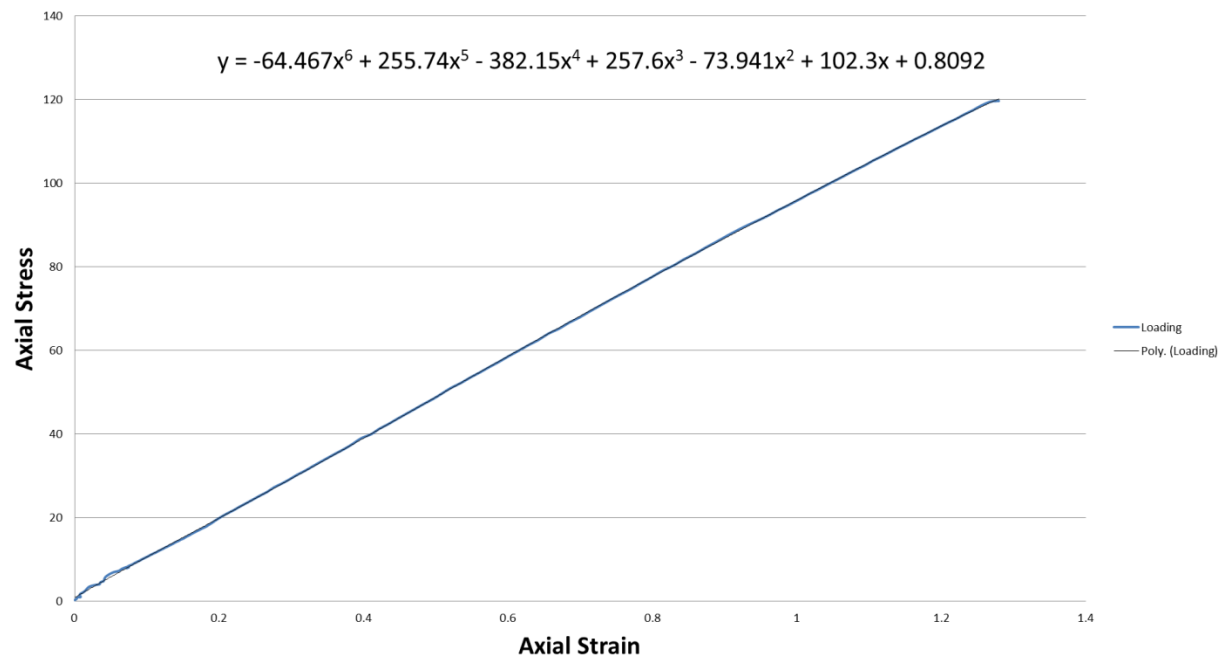




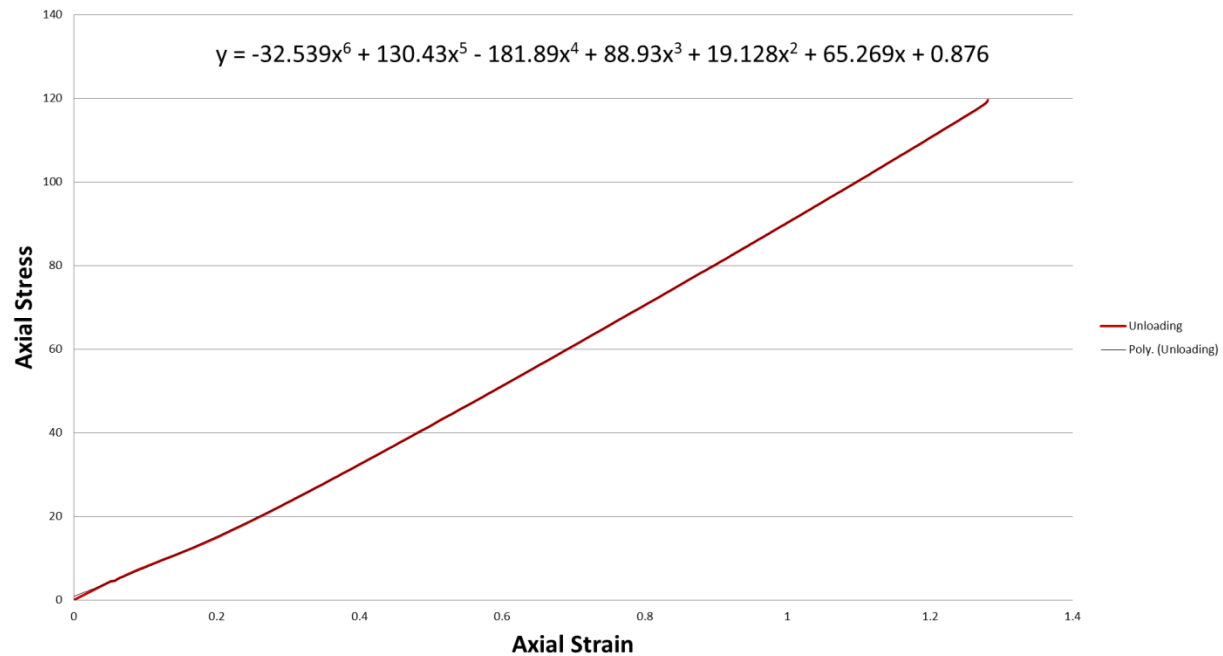


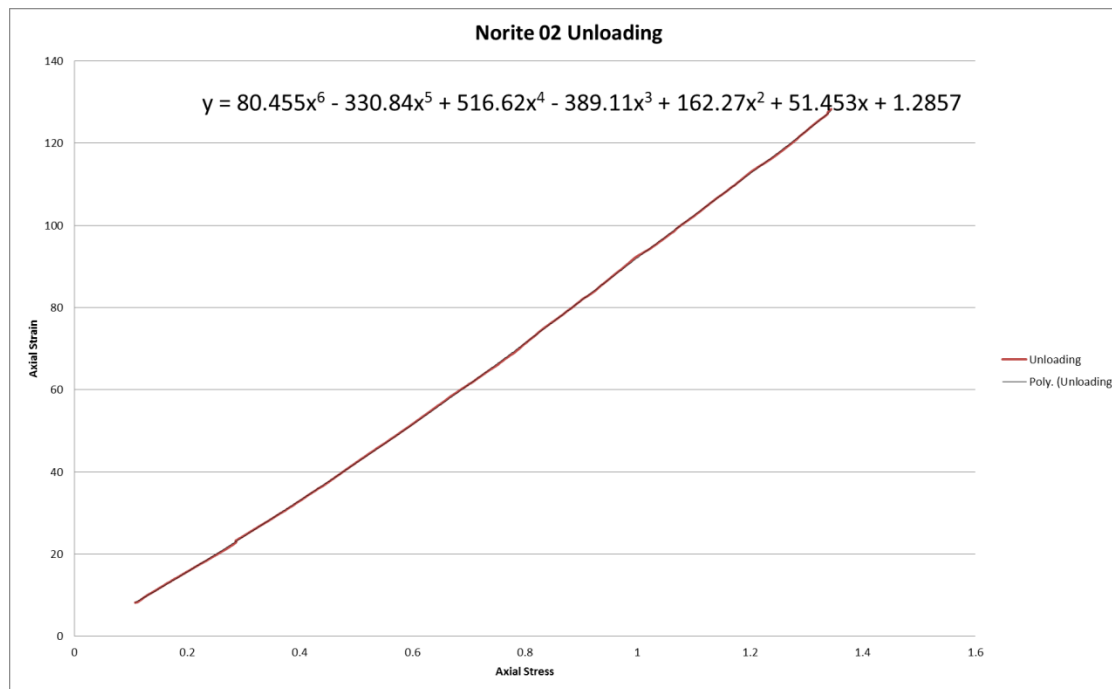
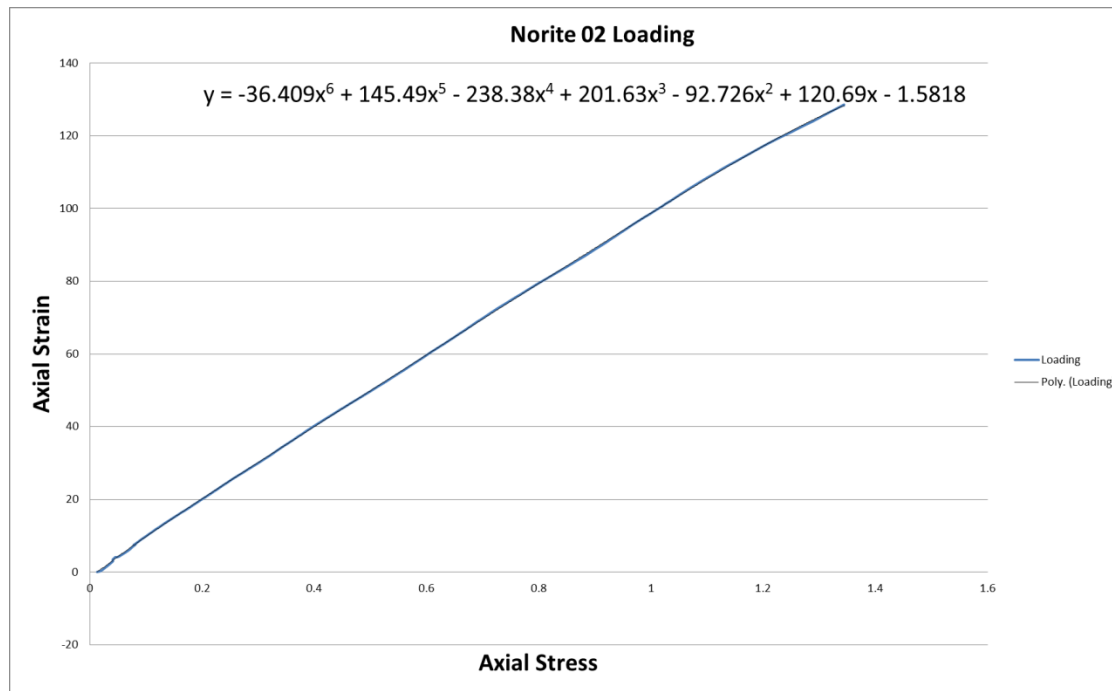


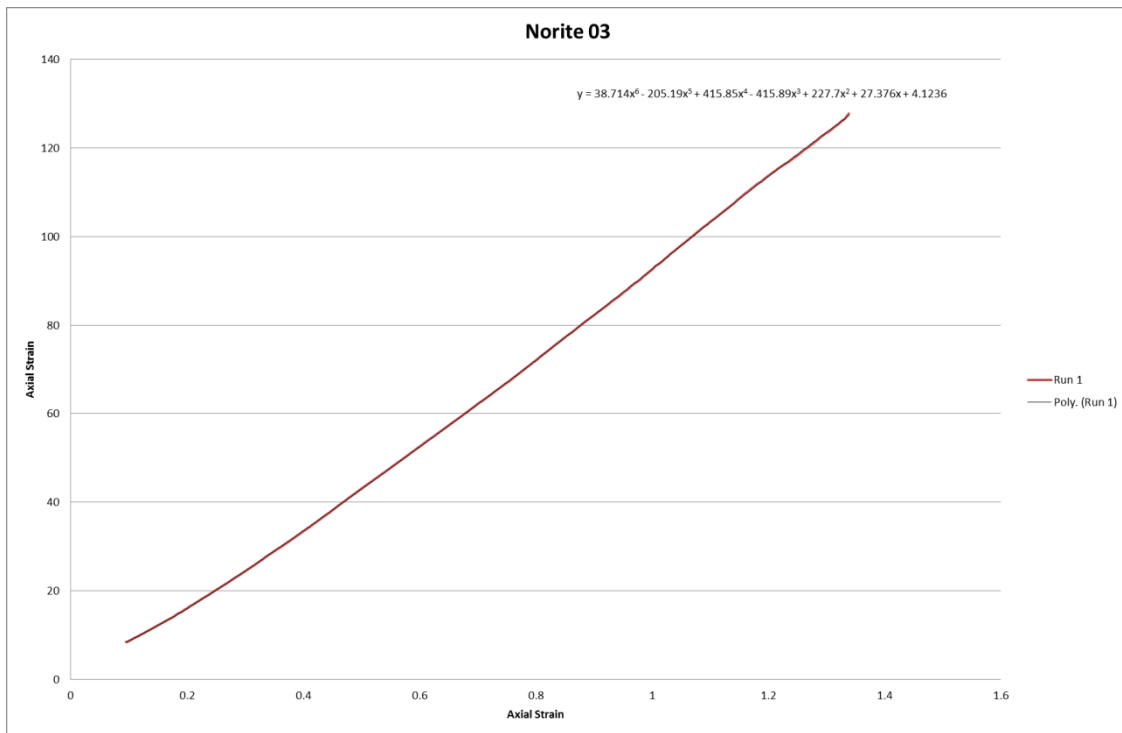
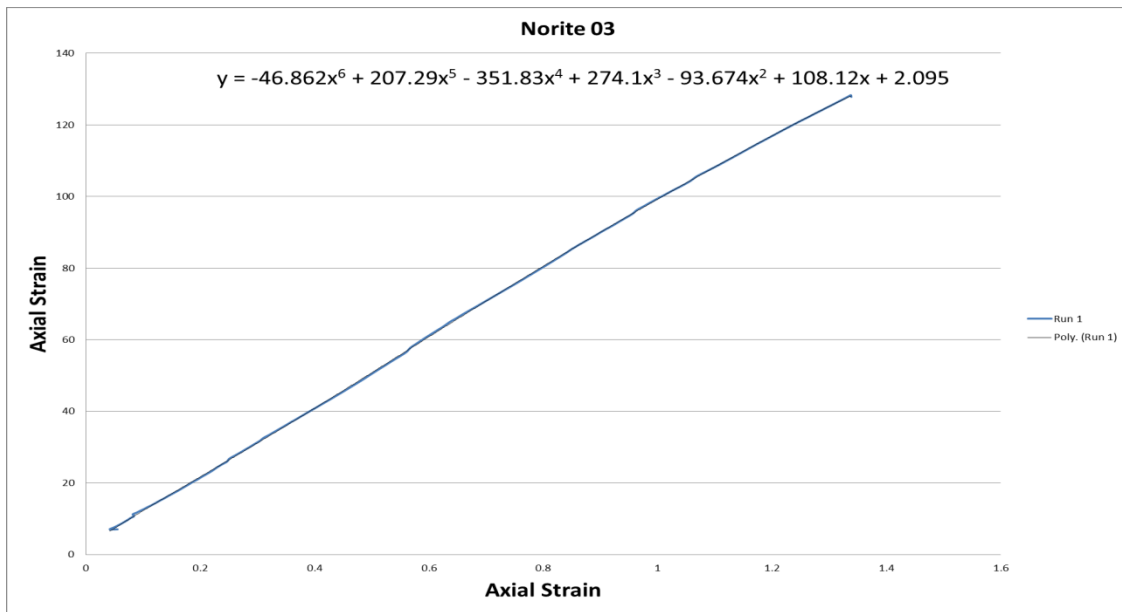
Norite 01 Loading

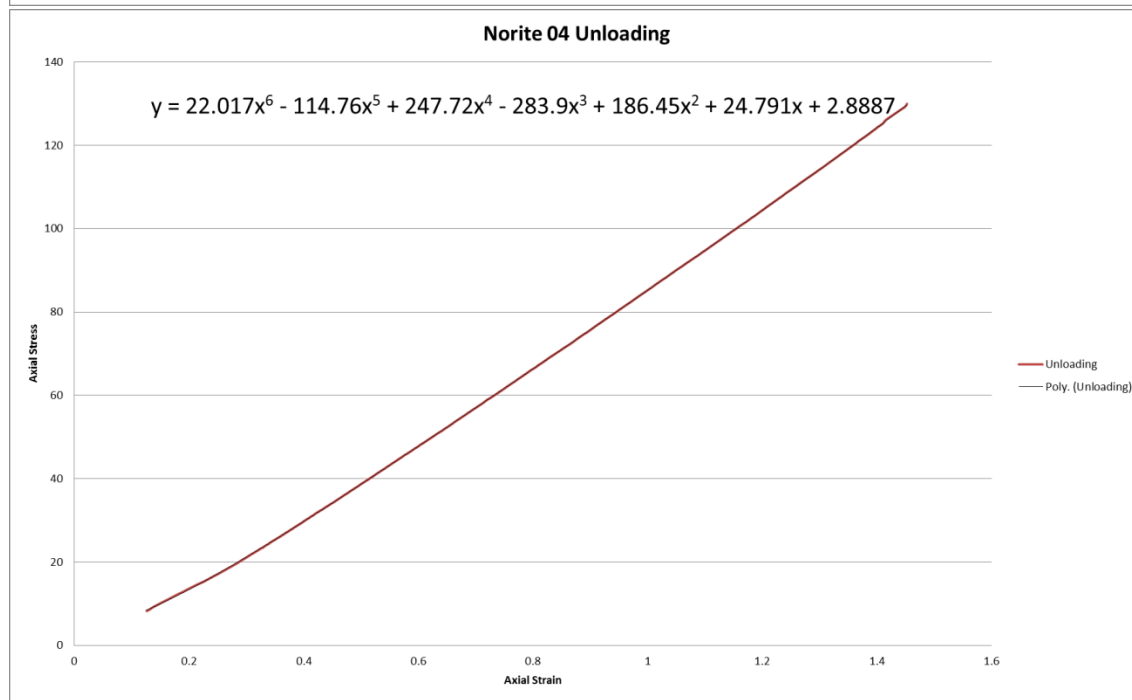
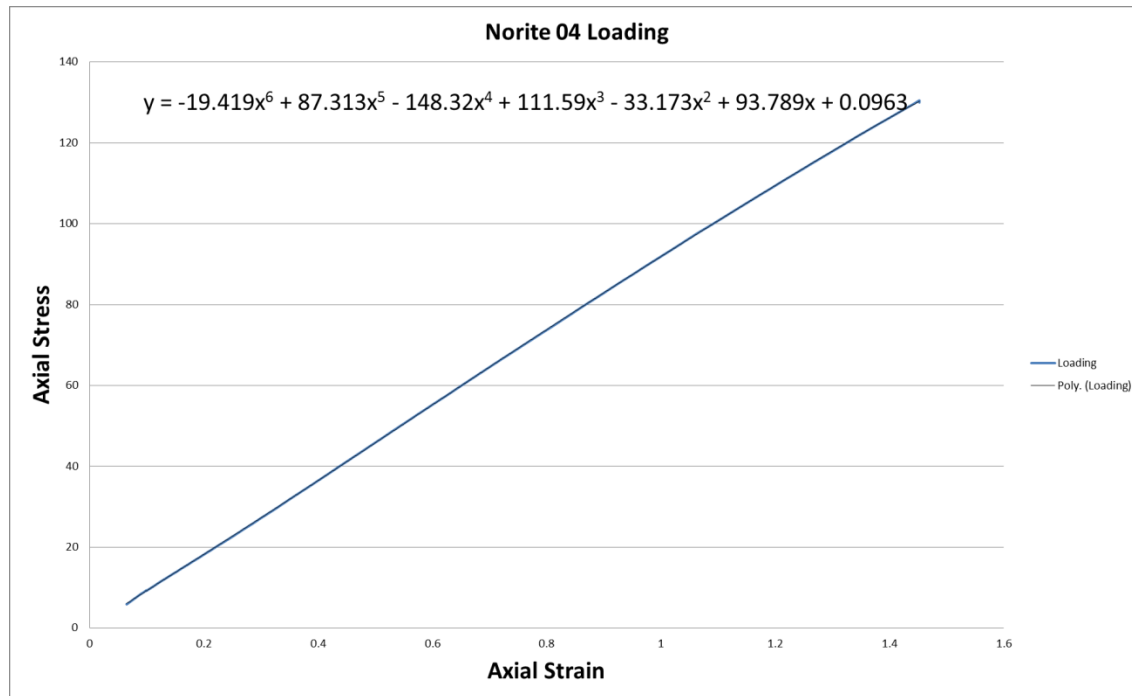


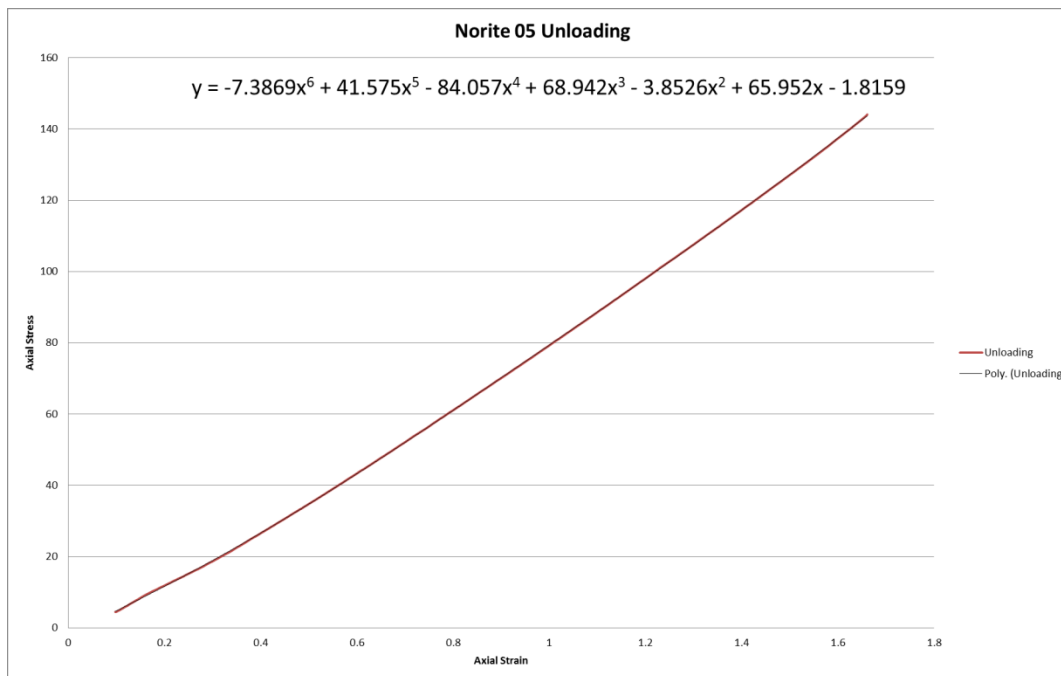
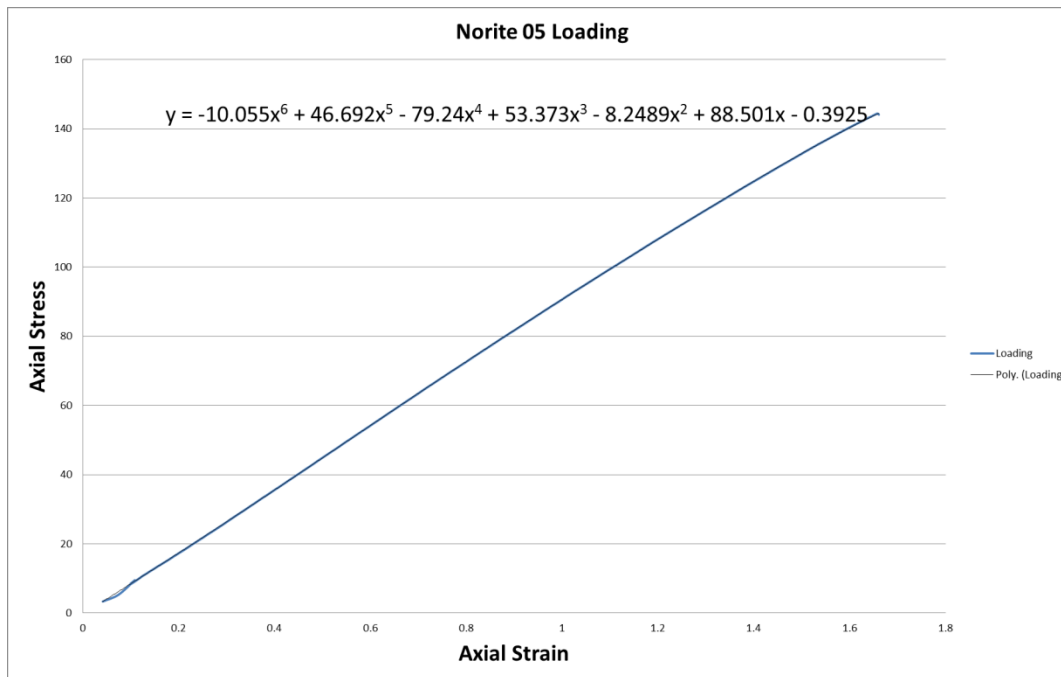
Norite 01 Unloading

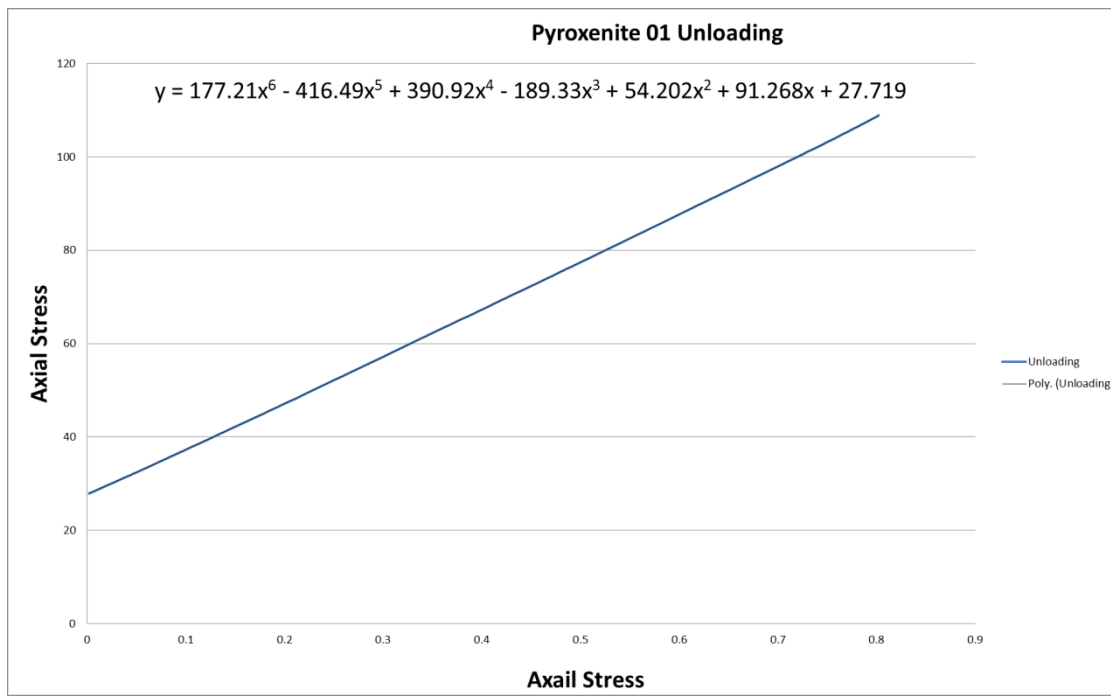
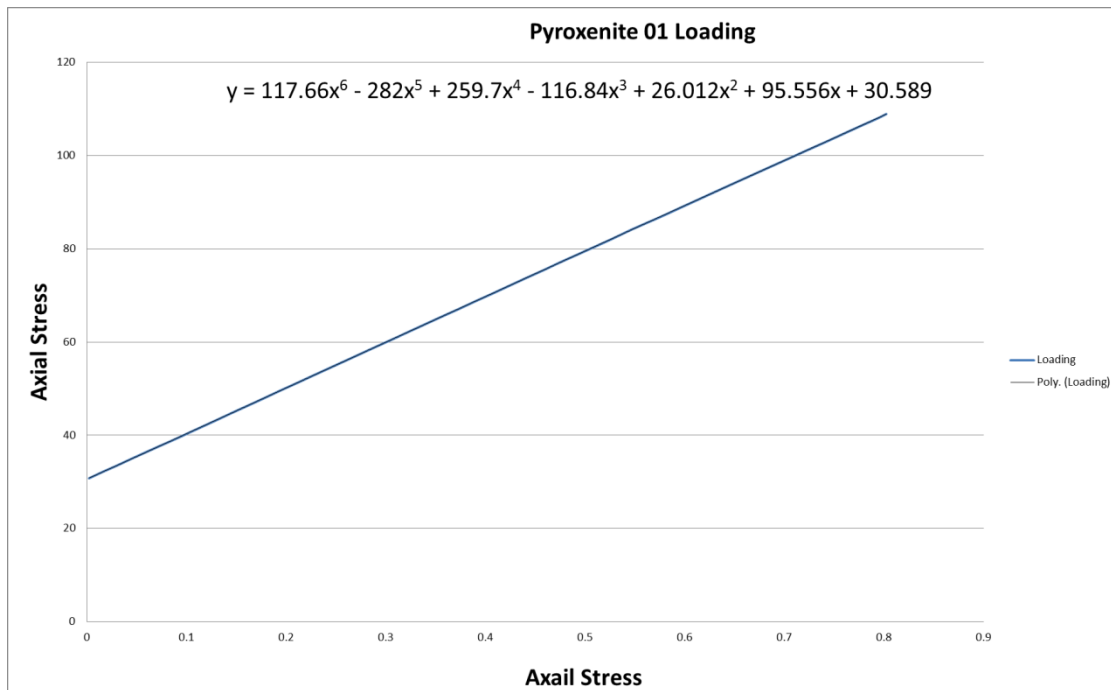


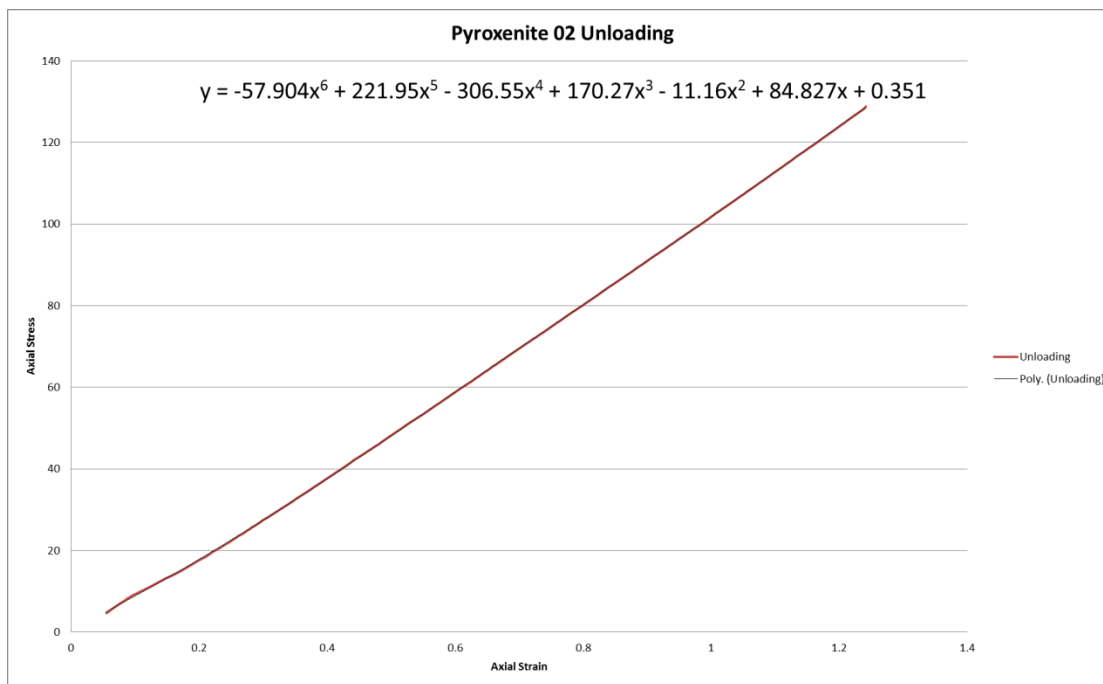
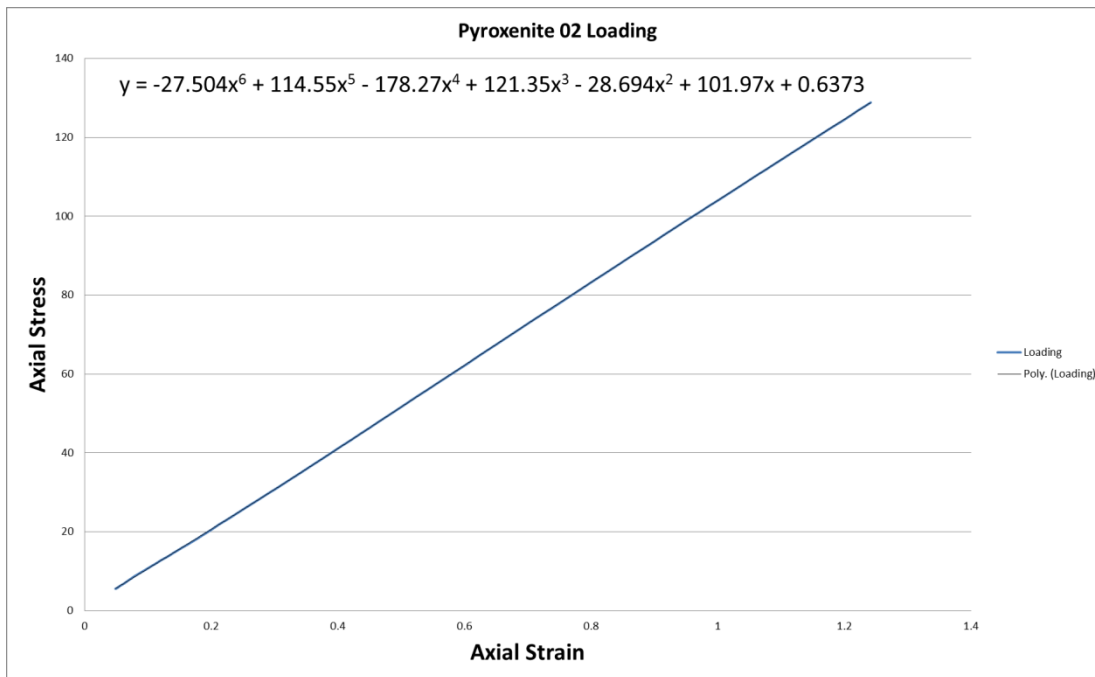


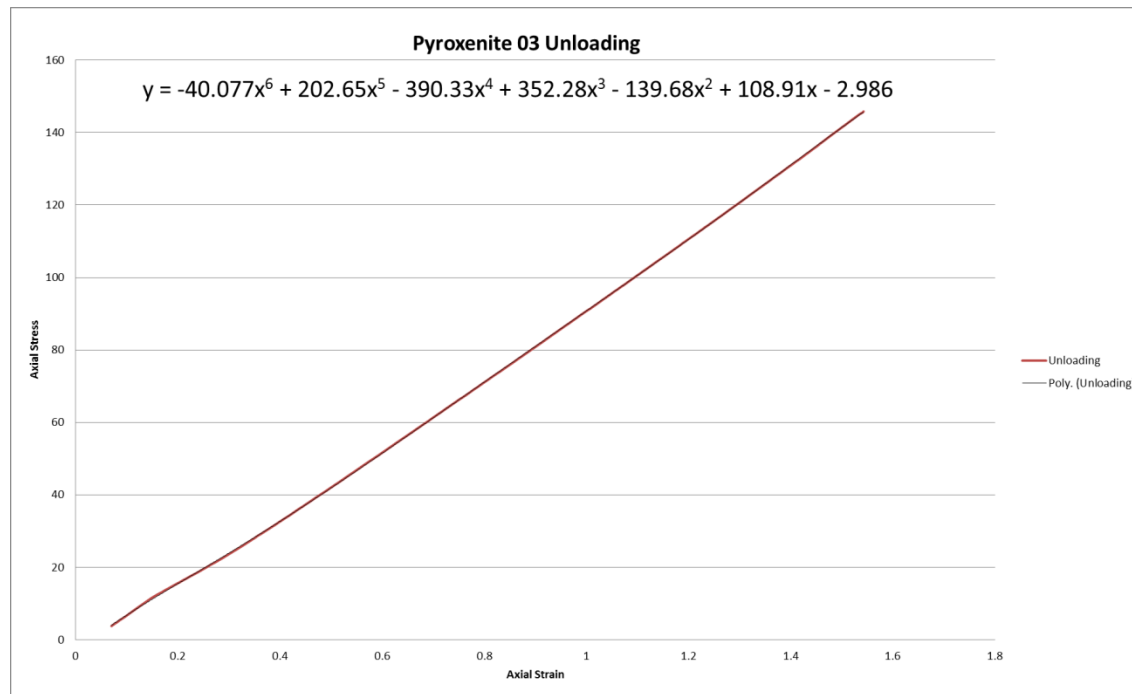
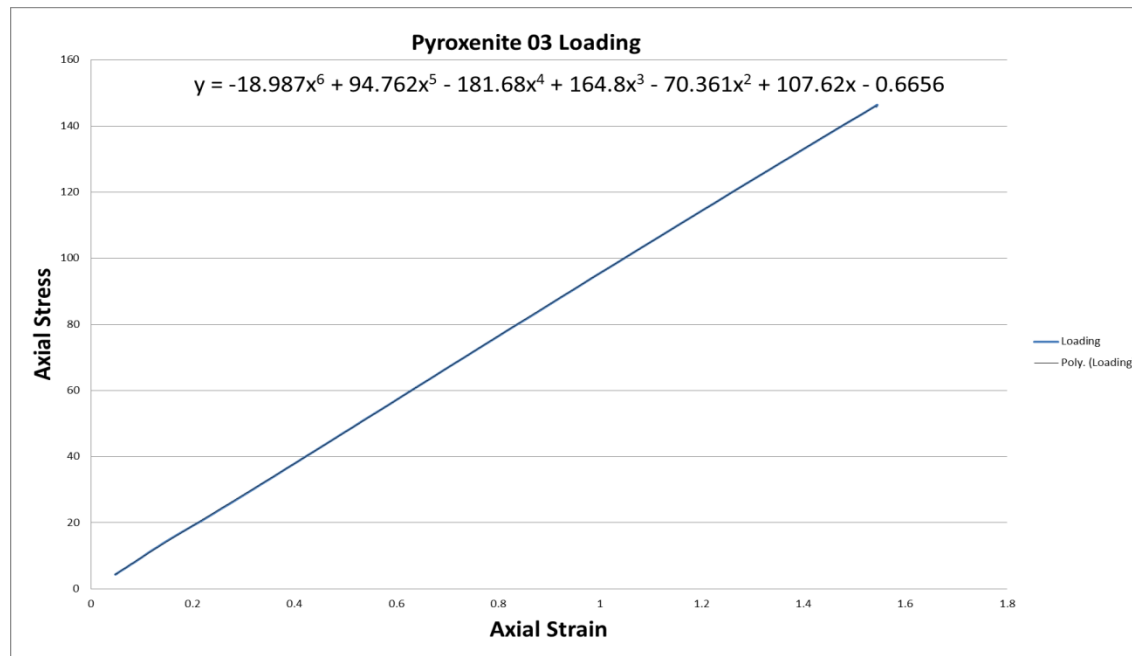


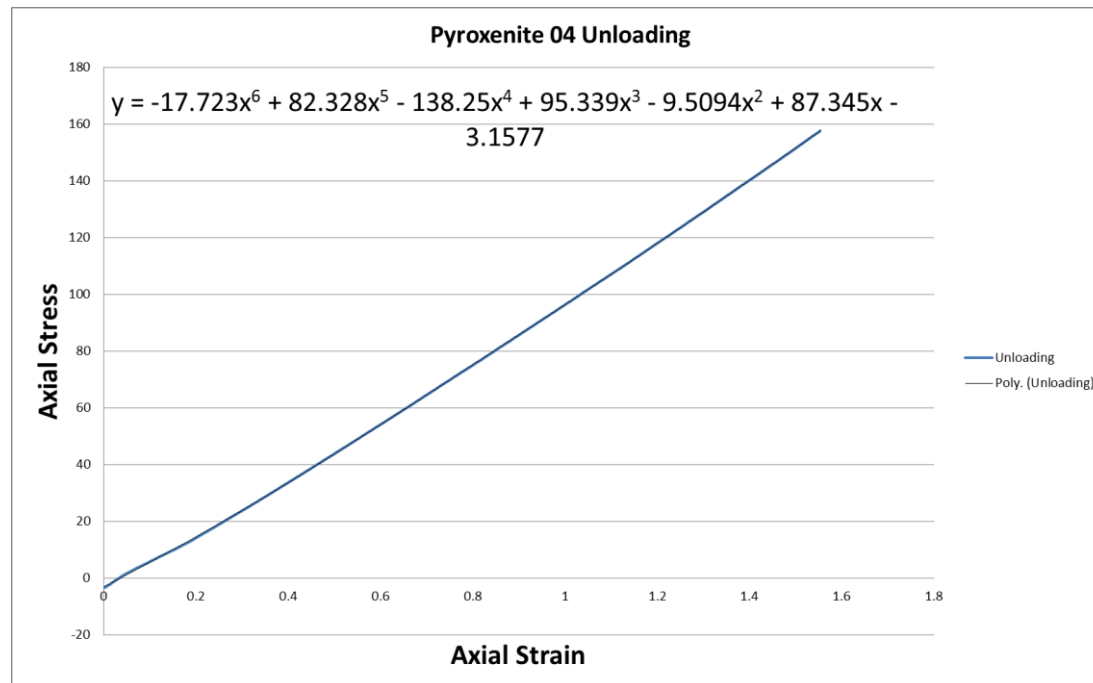
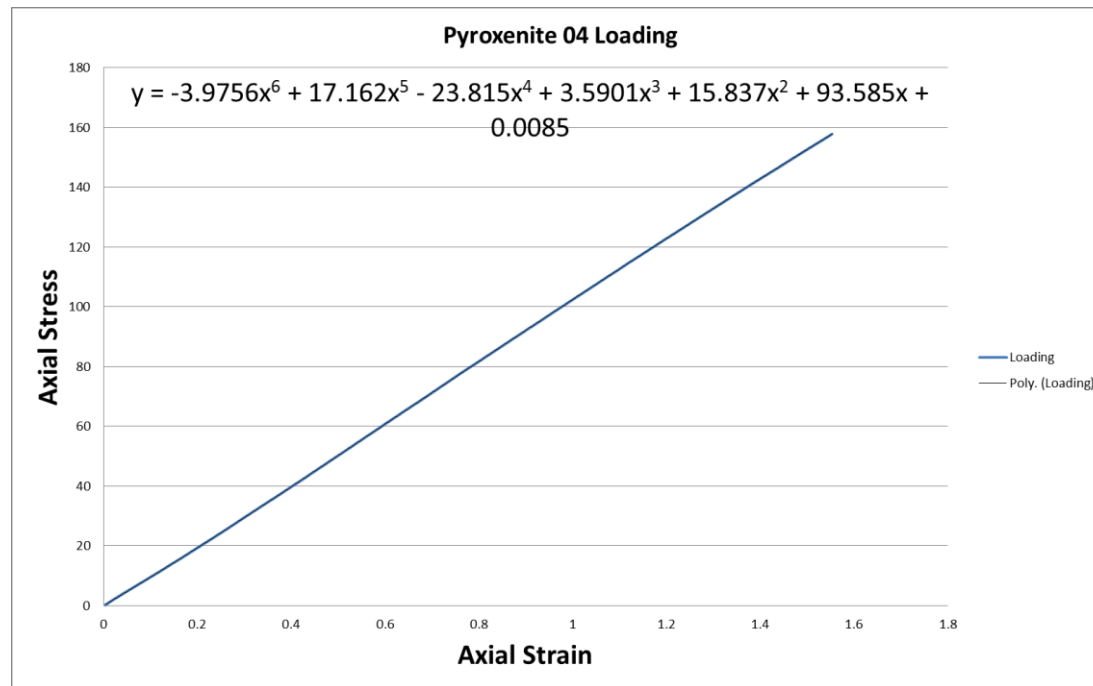


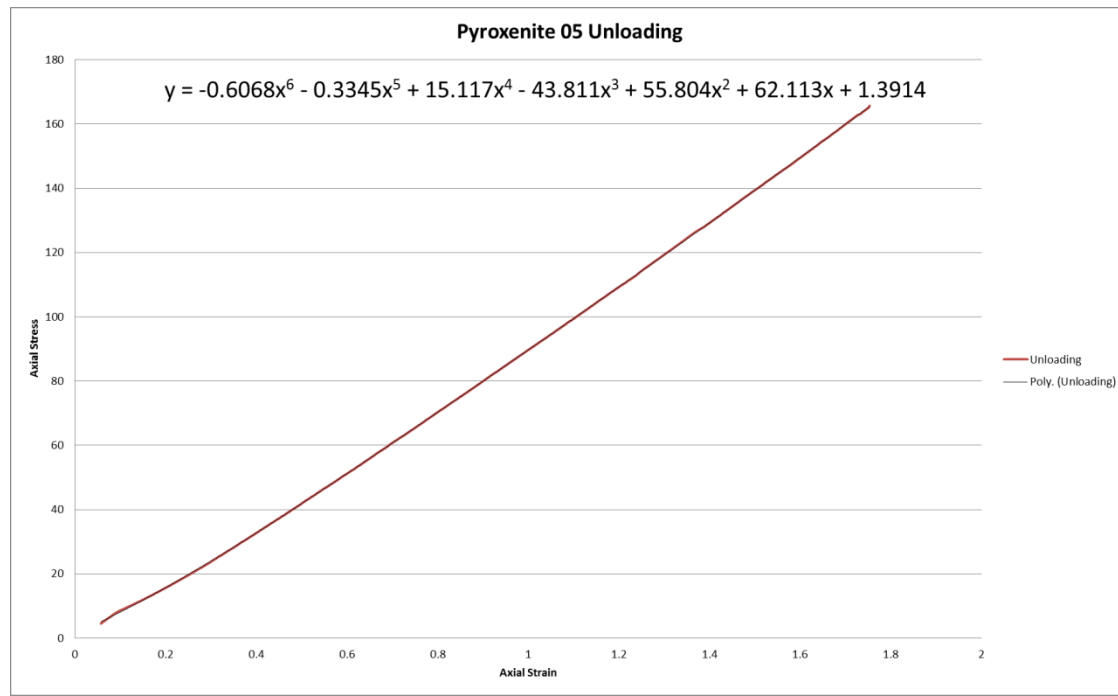
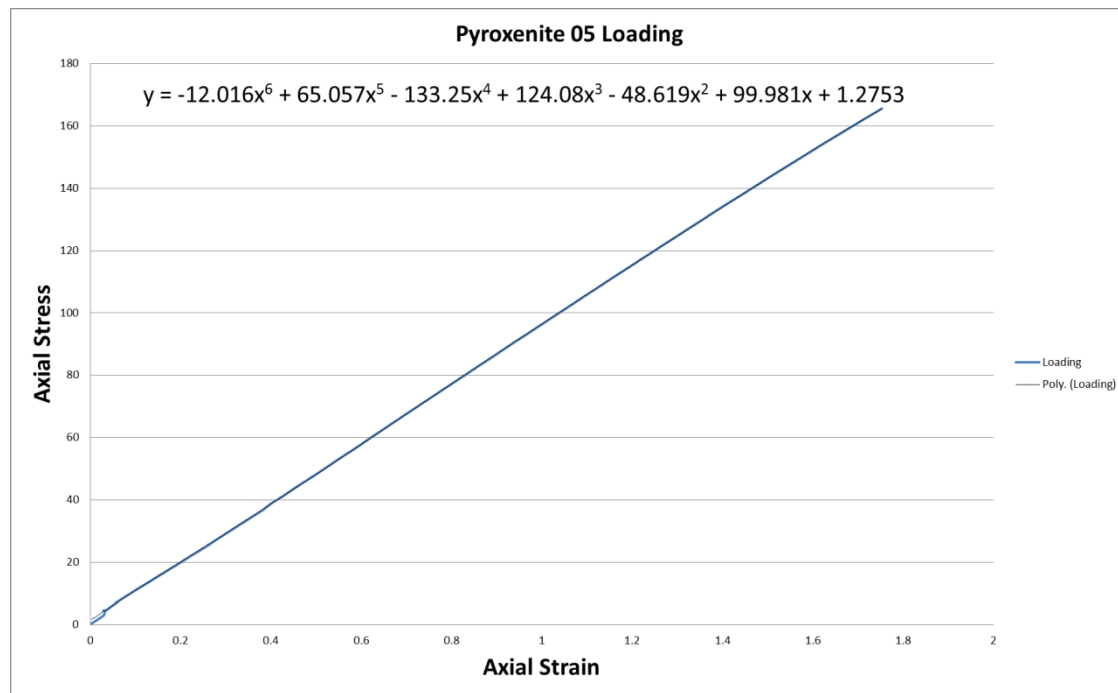




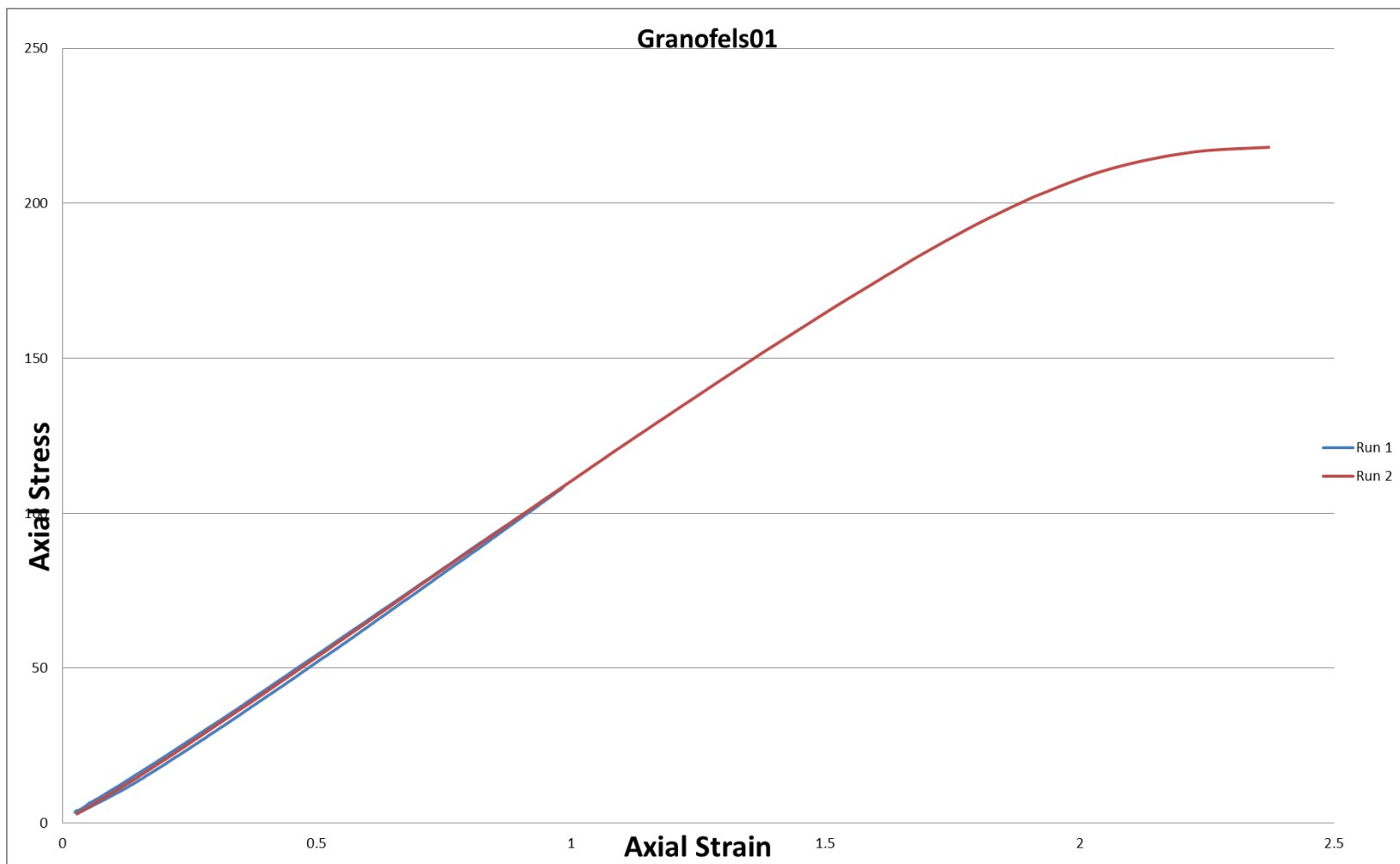




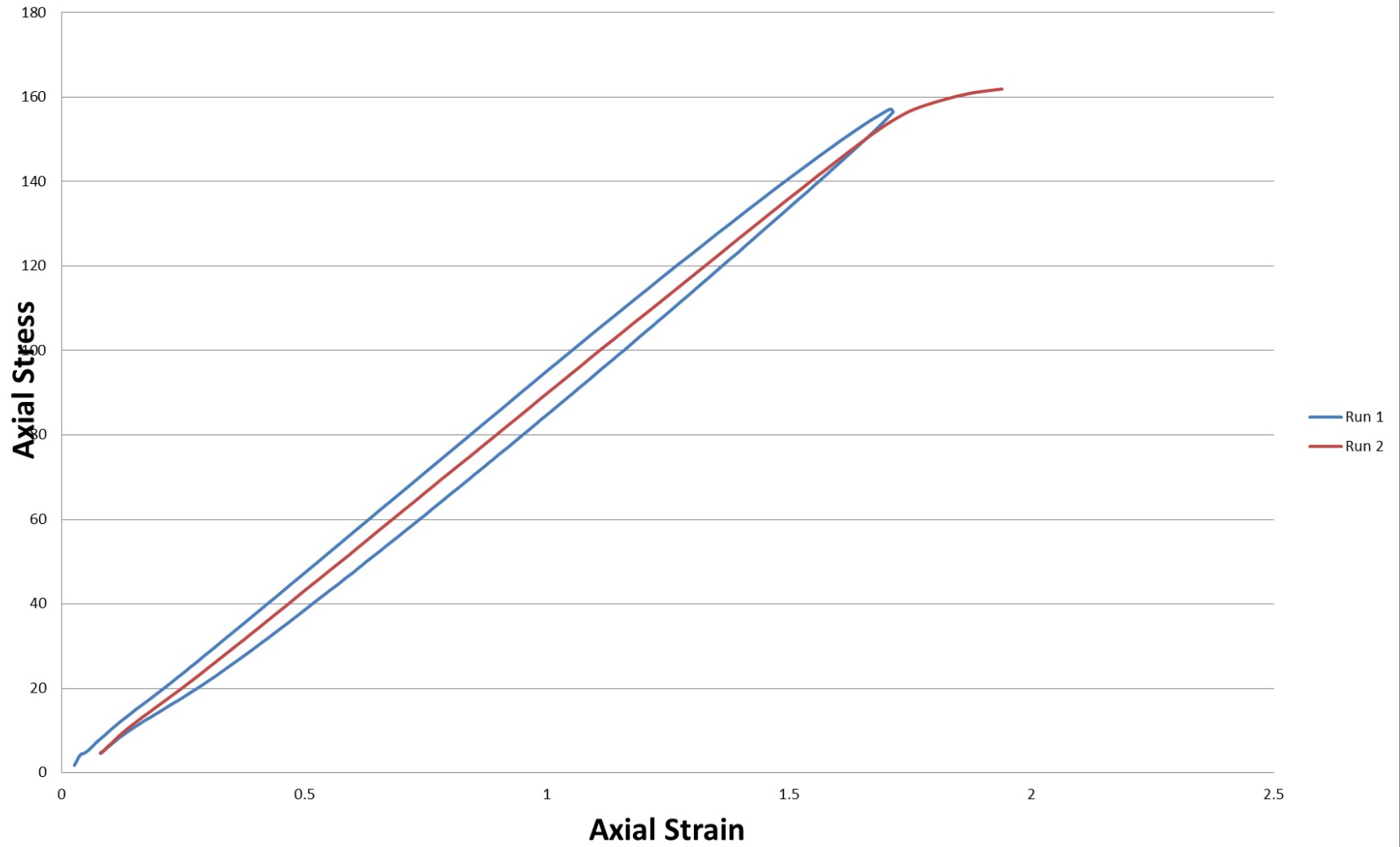




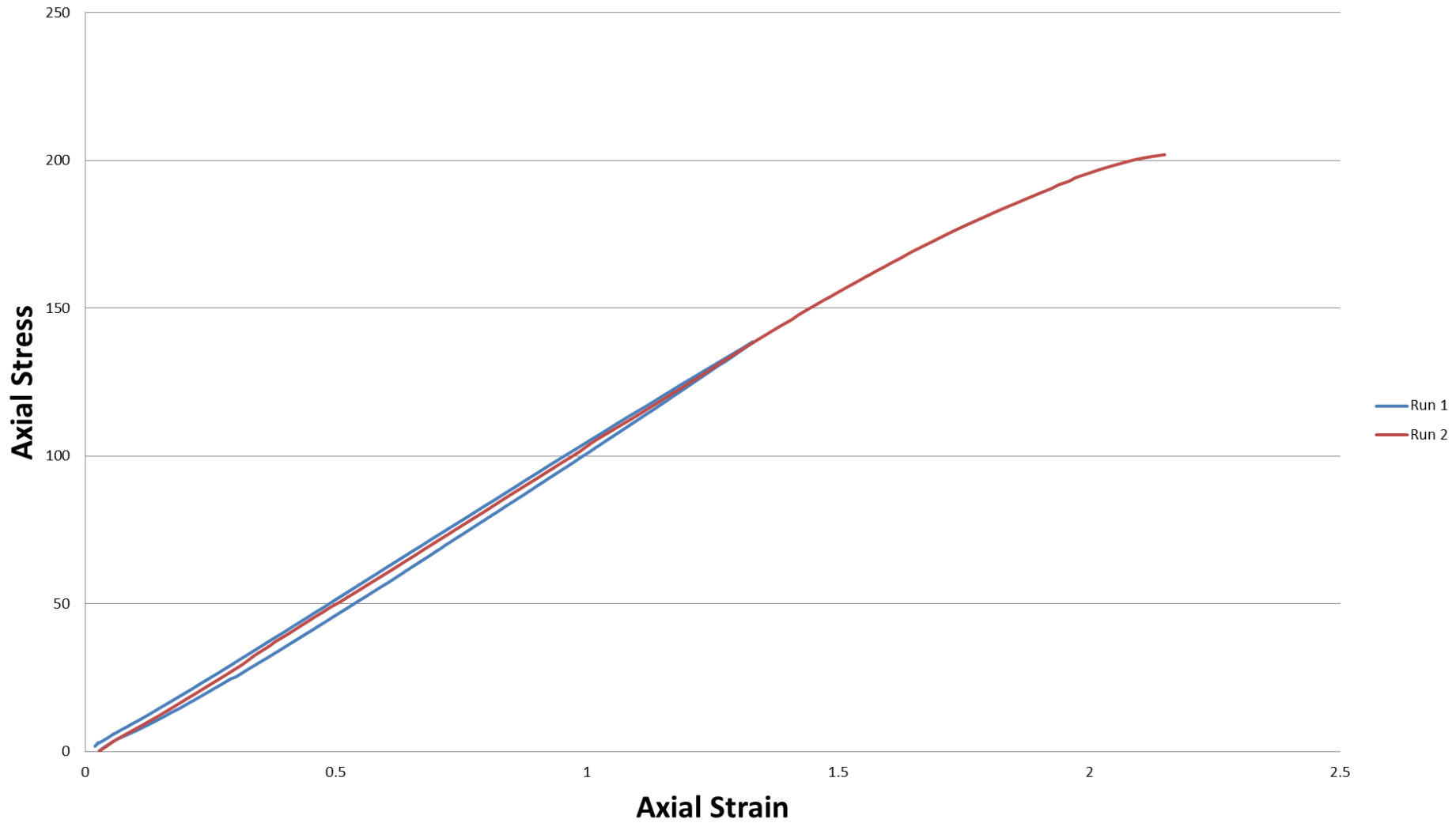
	Term	x^7	x^6	x^5	x^4	x^3	x^2	x		X= (milli strain)	Energy density (MJ/m3)	COR
N1	Loading	-9.21	42.623	-76.43	64.4	-24.65	51.15	0.8092		1.281368	79.19100785	0.912325
	Unloading	-4.648	21.738	-36.38	22.233	6.376	32.635	0.876		1.281368	72.24797348	
	UCS	-0.008	0.0355	-0.269	-0.939	4.7893	41.298	0.2586		2.223035	221.7886074	
N2	Loading	-5.201	24.248	-47.68	50.408	-30.91	60.345	-1.582		1.344183	88.97749481	0.913696
	Unloading	11.494	-55.14	103.32	-97.28	54.09	25.727	1.2857		1.344183	81.29840962	
	UCS	0.465	-2.976	6.3518	-5.968	3.4287	44.405	-1.174		2.105446	197.9568639	
N3	Loading	-6.695	34.548	-70.37	68.525	-31.22	54.06	2.095		1.338505	89.56104015	0.910634
	Unloading	5.5306	-34.2	83.17	-104	75.9	13.688	4.1236		1.338505	81.55737082	
	UCS	0.4847	-3.772	10.718	-14.62	9.8067	44.249	-0.282		2.273956	235.1642949	
N4	Loading	-2.774	14.552	-29.66	27.898	-11.06	46.895	0.0963		1.452327	96.37408202	0.917923
	Unloading	3.1453	-19.13	49.544	-70.98	62.15	12.396	2.8887		1.452327	88.46402604	
	UCS	0.516	-4.408	13.974	-22.27	19.762	35.817	-1.409		2.089823	188.6487769	
N5	Loading	-1.436	7.782	-15.85	13.343	-2.75	44.251	-0.393		1.661213	123.3783555	0.887156
	Unloading	-1.055	6.9292	-16.81	17.236	-1.284	32.976	-1.816		1.661213	109.455799	
	UCS	-1.576	9.3757	-21.84	24.699	-12.76	45.303	3.9913		1.895656	164.1926161	
G1	Loading	-6.135	19.657	-21.83	5.2988	8.9727	47.422	1.2662		0.985967	53.12105328	0.965146
	Unloading	19.759	-79.76	134.01	-122.9	69.92	30.585	1.2236		0.985967	51.26959768	
	UCS	0.2611	-2.809	10.381	-19.58	20.53	44.836	0.4344		2.371519	296.9206391	
G2	Loading	-2.625	15.444	-35.93	40.618	-21.92	51.805	0.0334		1.714931	138.6433661	0.903759
	Unloading	-1.594	10.714	-27.7	33.51	-14.87	41.052	-1.432		1.714931	125.3001562	
	UCS	-3.241	19.672	-47.22	56.103	-33.21	54.535	-3.357		1.939724	166.8859624	
G3	Loading	-0.047	-0.623	4.1442	-10.46	12.928	45.274	0.6341		1.32987	92.04028654	0.942799
	Unloading	-4.444	22.115	-41.16	32.61	-3.364	43.278	-1.721		1.32987	86.77544858	
	UCS	0.5935	-4.717	13.708	-19.78	15.536	46.803	-2.238		2.149786	233.1369696	
G4	Loading	-11.88	53.83	-96.04	83.508	-33.99	56.36	0.5138		1.219624	77.89449841	0.958684
	Unloading	-6.462	28.005	-43.96	25.603	6.1707	39.096	0.8831		1.219624	74.67620021	
	UCS	0.6361	-4.081	10.241	-14.36	13.475	45.028	0.178		1.872604	181.3575888	
P1	Loading	16.809	-47	51.94	-29.21	8.6707	47.778	30.589		0.802301	55.99834141	0.968348
	Unloading	25.316	-69.41	78.184	-47.33	18.067	45.634	27.719		0.802301	54.2258885	
	UCS	-0.302	1.9372	-4.716	4.402	-1.279	49.476	29.17		2.260896	308.0466011	
P2	Loading	-3.929	19.092	-35.65	30.338	-9.565	50.985	0.6373		1.241452	80.02676048	0.960056
	Unloading	-8.272	36.992	-61.31	42.568	-3.72	42.414	0.351		1.241452	76.83020173	
	UCS	-0.214	1.6932	-5.198	6.389	-1.298	49.798	-0.615		2.766601	378.0238468	
P3	Loading	-2.712	15.794	-36.34	41.2	-23.45	53.81	-0.666		1.54282	113.2934105	0.944344
	Unloading	-5.725	33.775	-78.07	88.07	-46.56	54.455	-2.986		1.54282	106.987924	
	UCS	-0.275	2.0418	-6.351	9.785	-7.09	49.888	-2.878		2.367826	258.8266647	
P4	Loading	-0.568	2.8603	-4.763	0.8975	5.279	46.793	0.0085		1.553358	122.6449603	0.936123
	Unloading	-2.532	13.721	-27.65	23.835	-3.17	43.673	-3.158		1.553358	114.8107095	
	UCS	-0.011	-0.151	0.9502	-2.827	5.0063	47.616	-3.099		2.441553	293.2315195	
P5	Loading	-1.717	10.843	-26.65	31.02	-16.21	49.991	1.2753		1.753249	147.6881475	0.939234
	Unloading	-0.087	-0.056	3.0234	-10.95	18.601	31.057	1.3914		1.753249	138.7137422	
	UCS	-0.29	1.4991	-2.477	0.2602	3.5593	44.109	-0.206		2.388314	265.3694524	



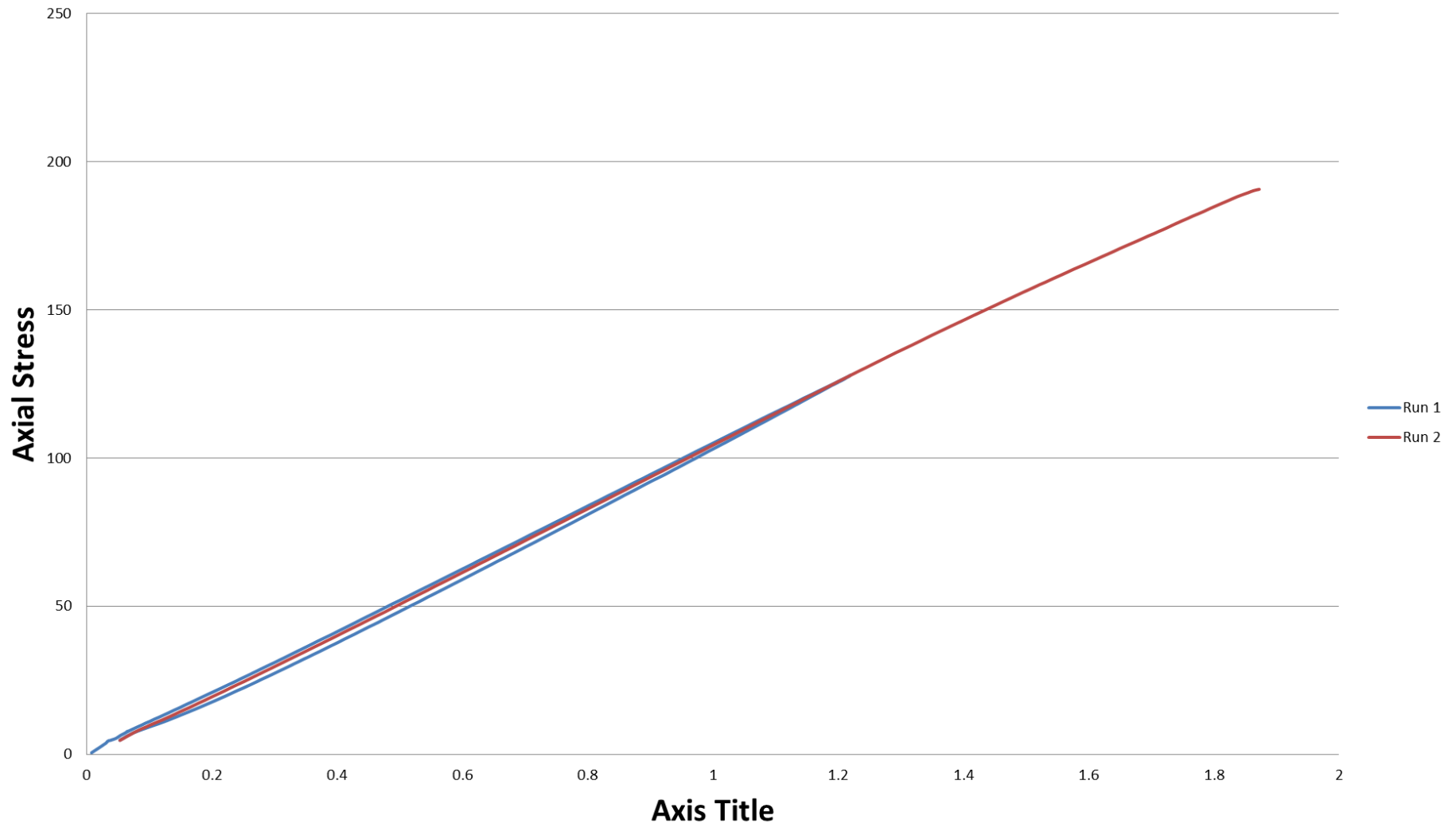
Granofels 02



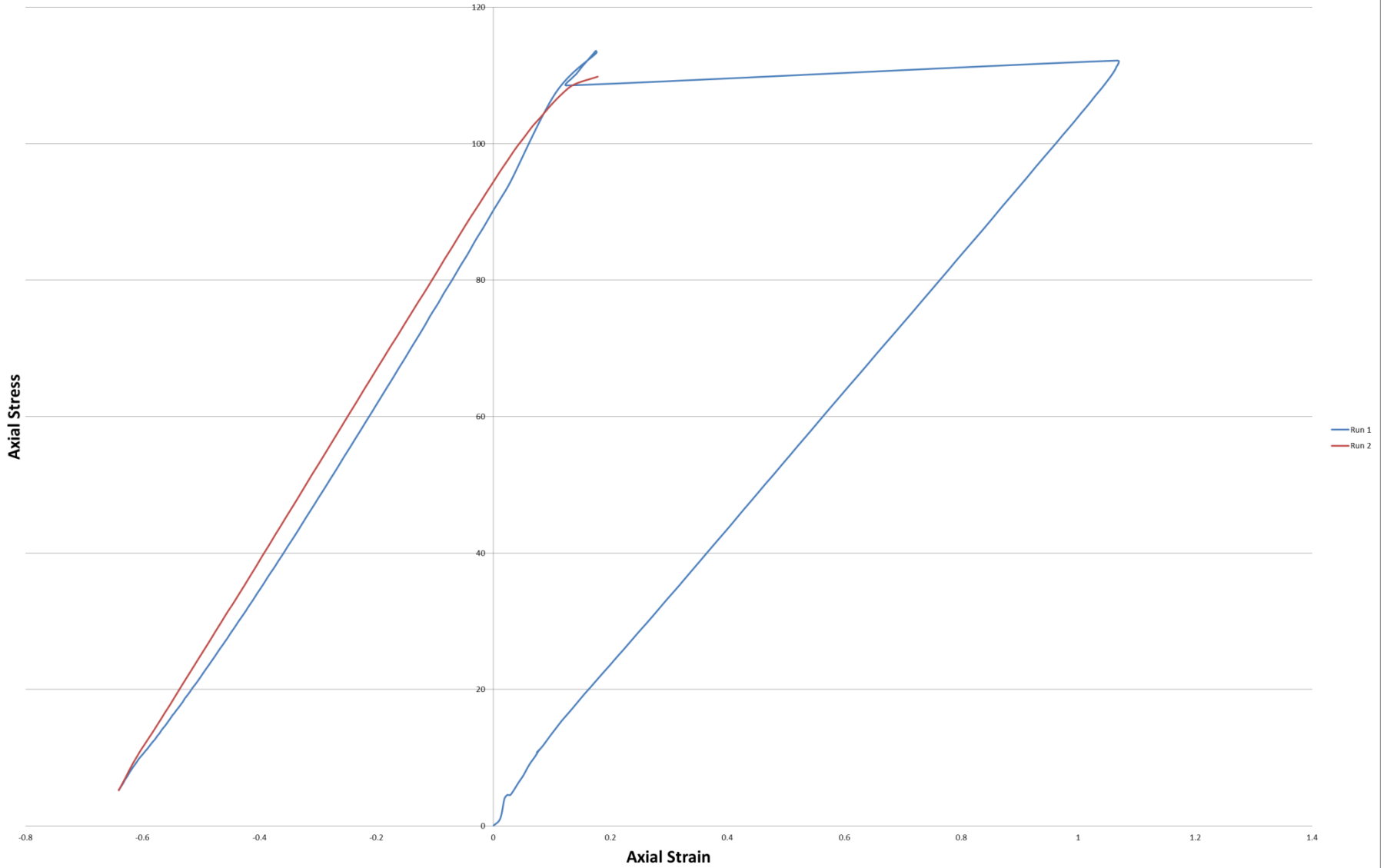
Granofels 03



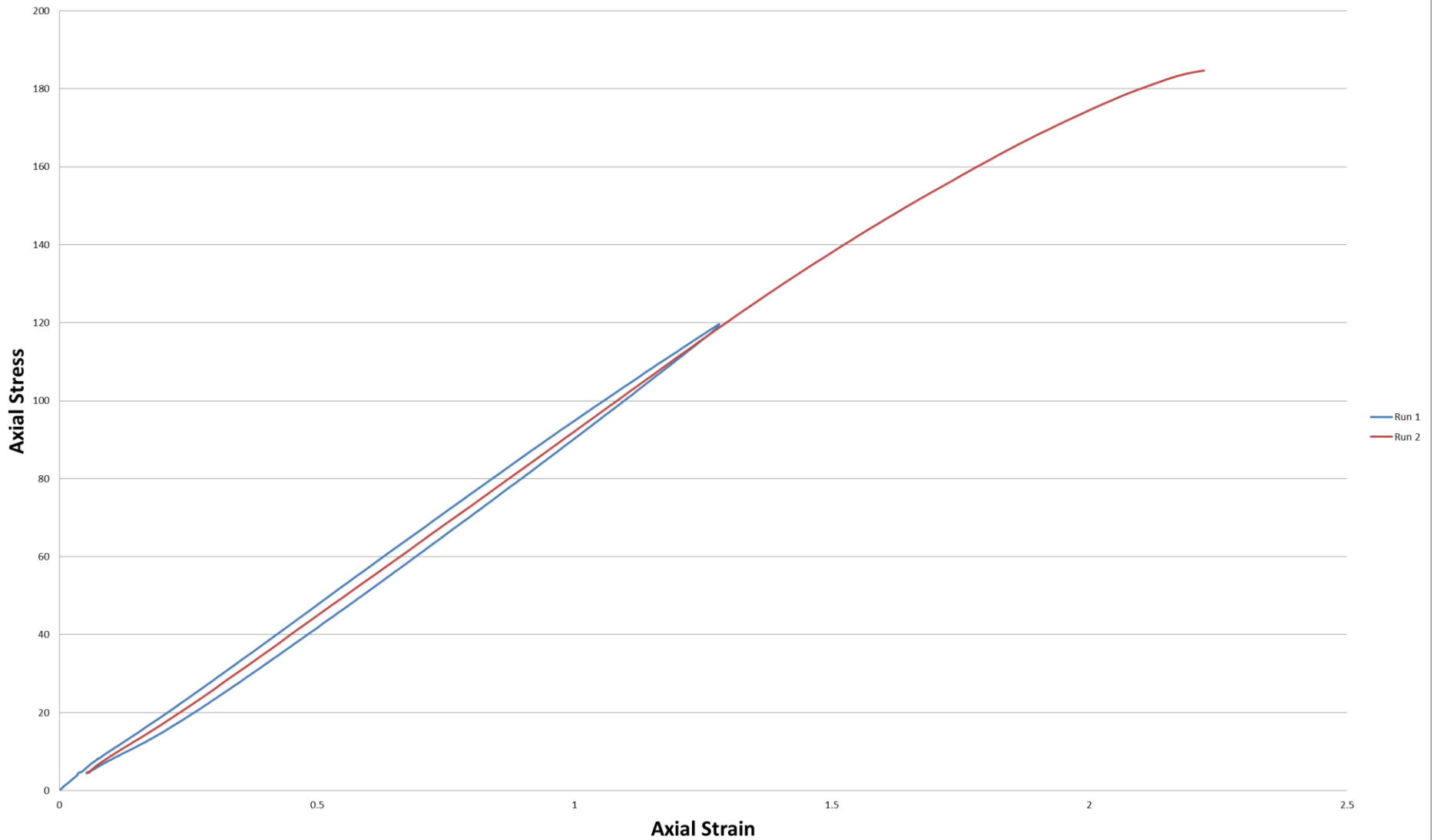
Granofels 04



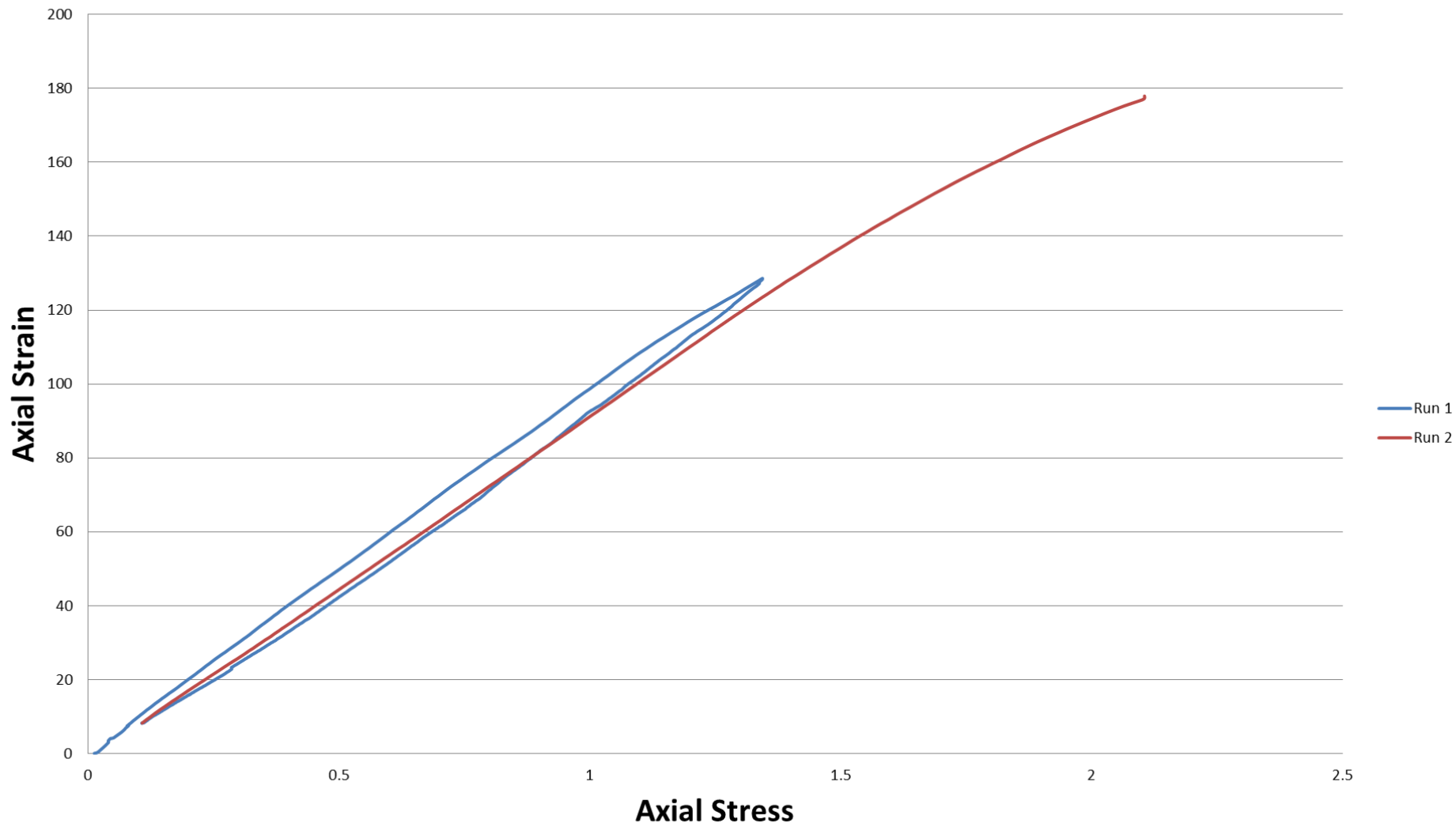
Granofels 05



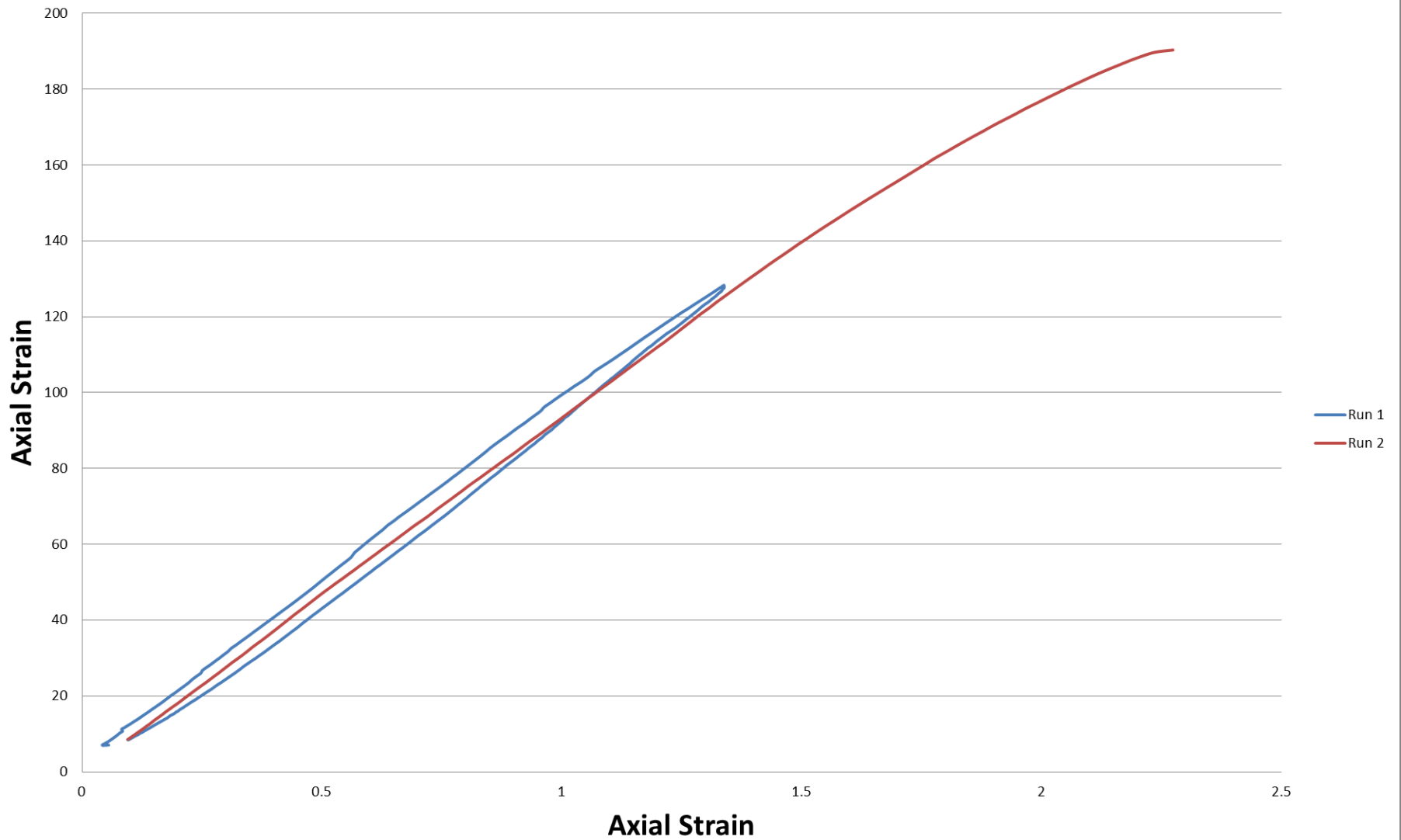
Norite 01



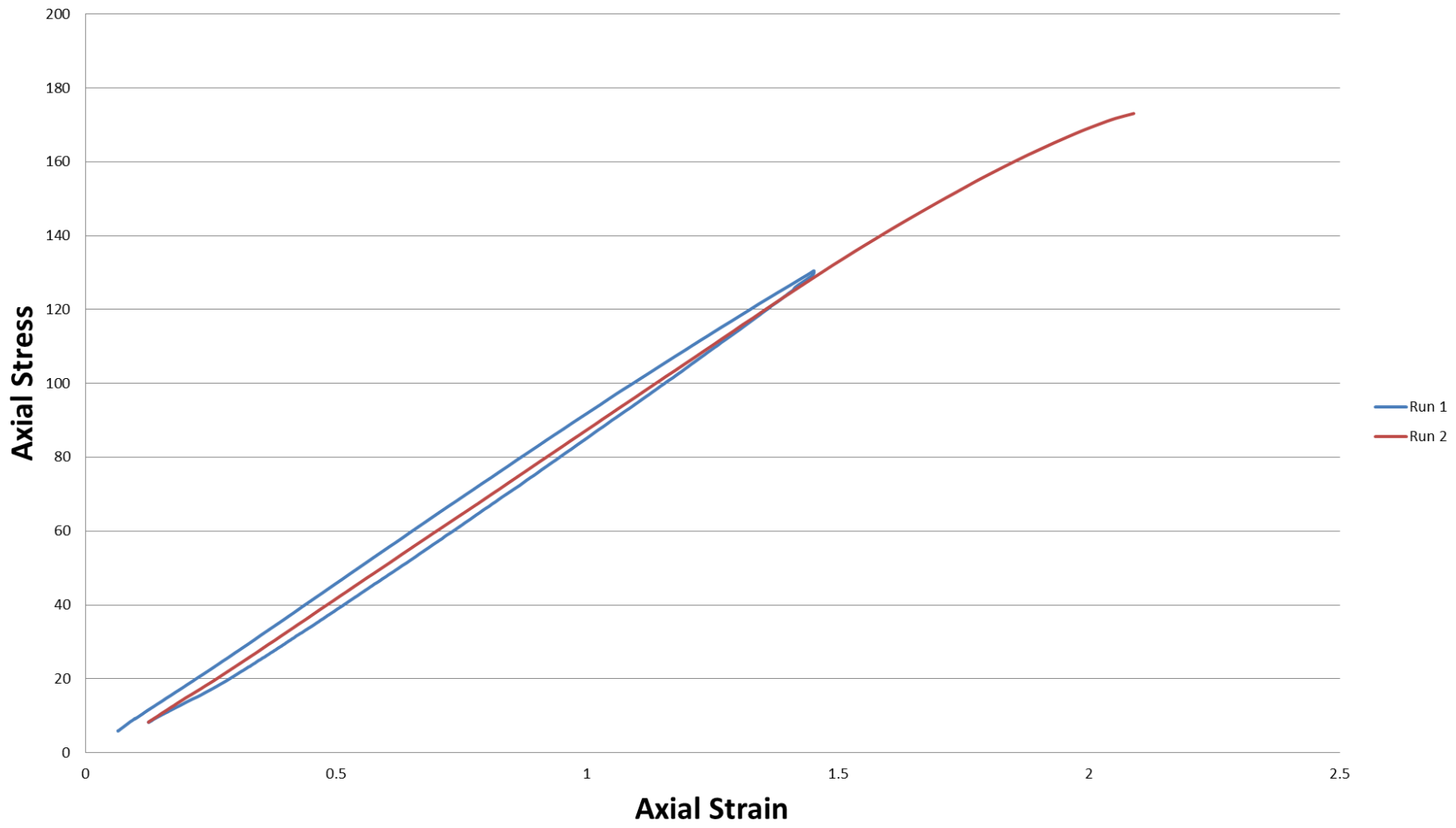
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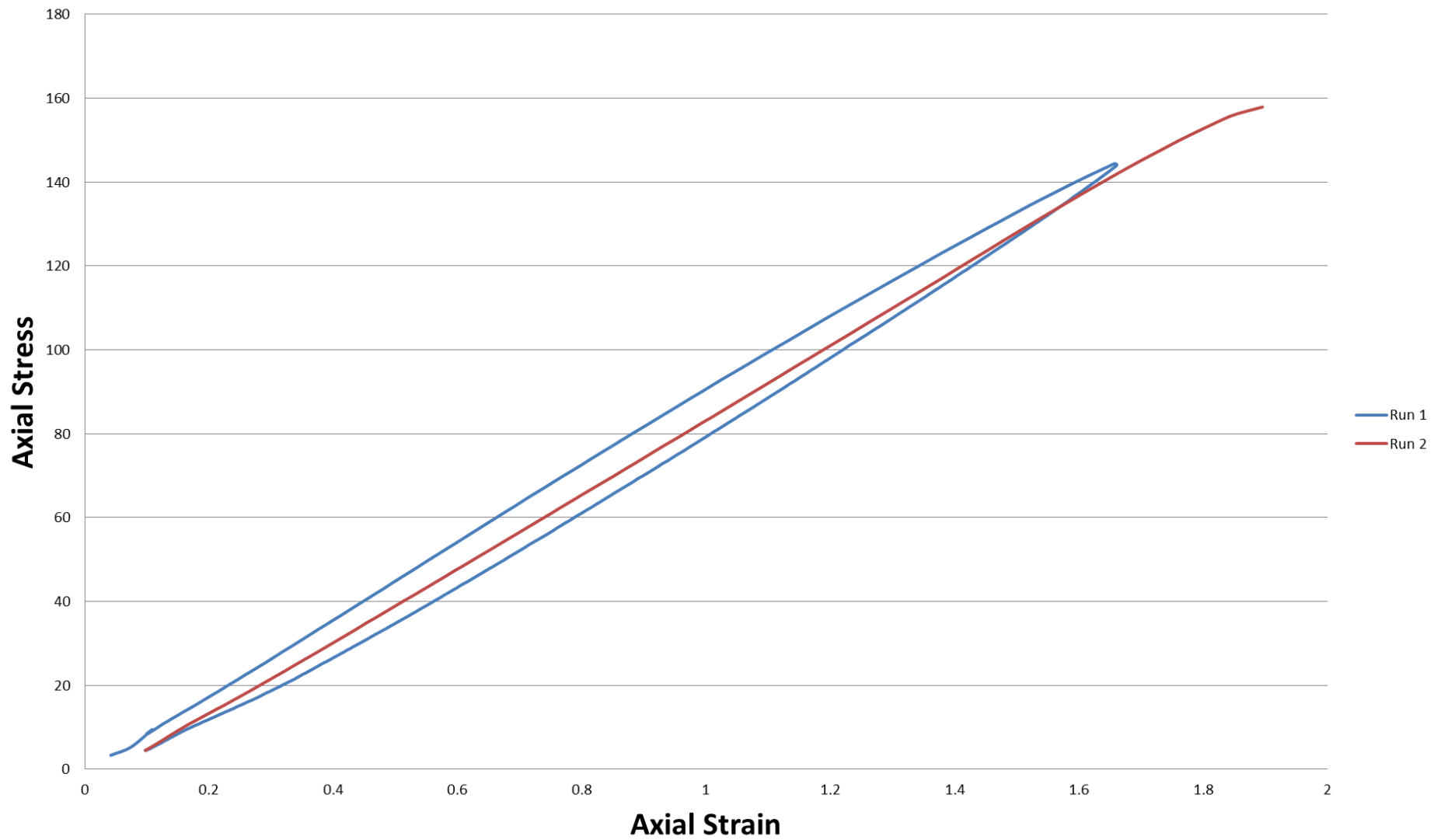
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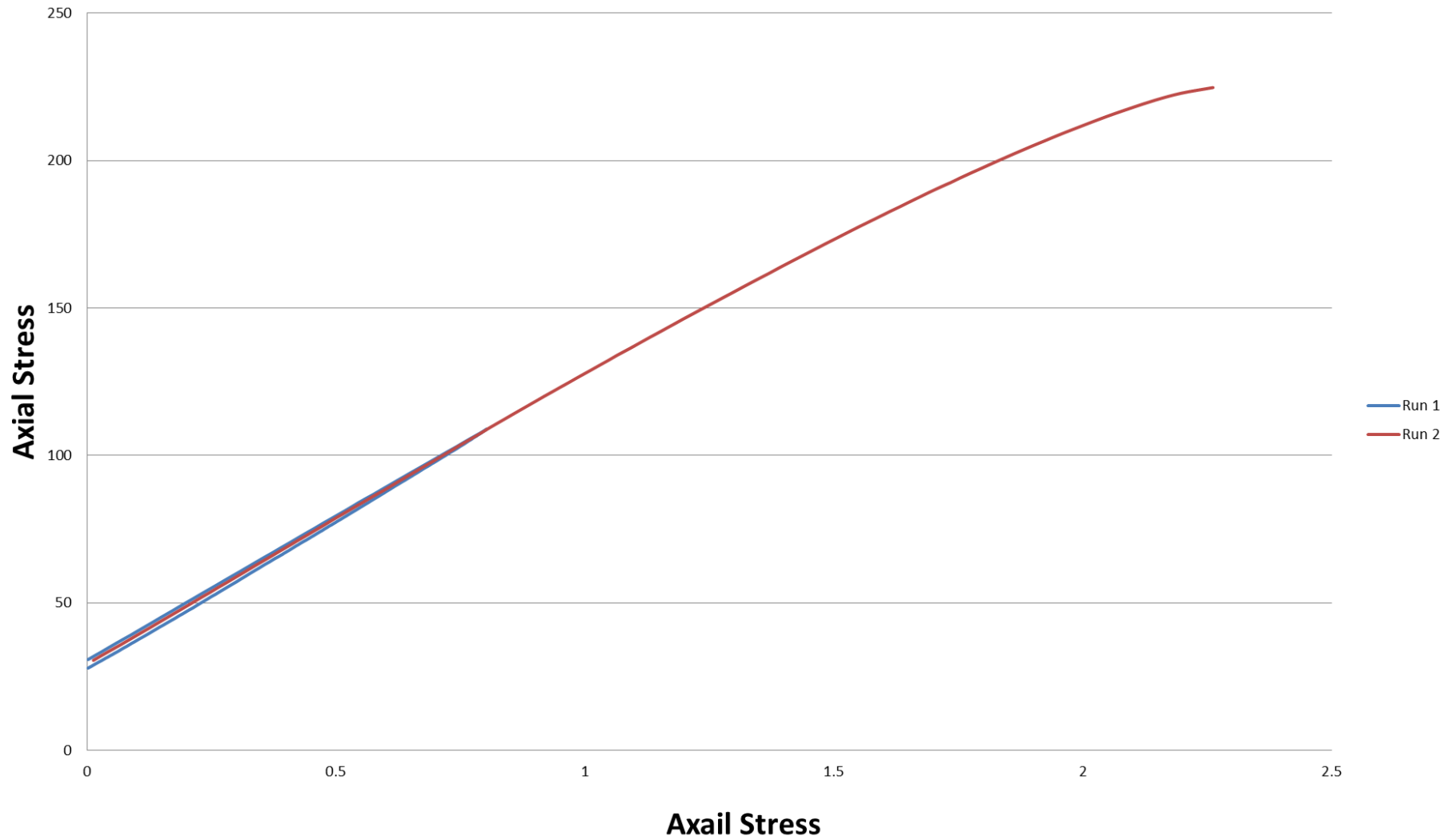
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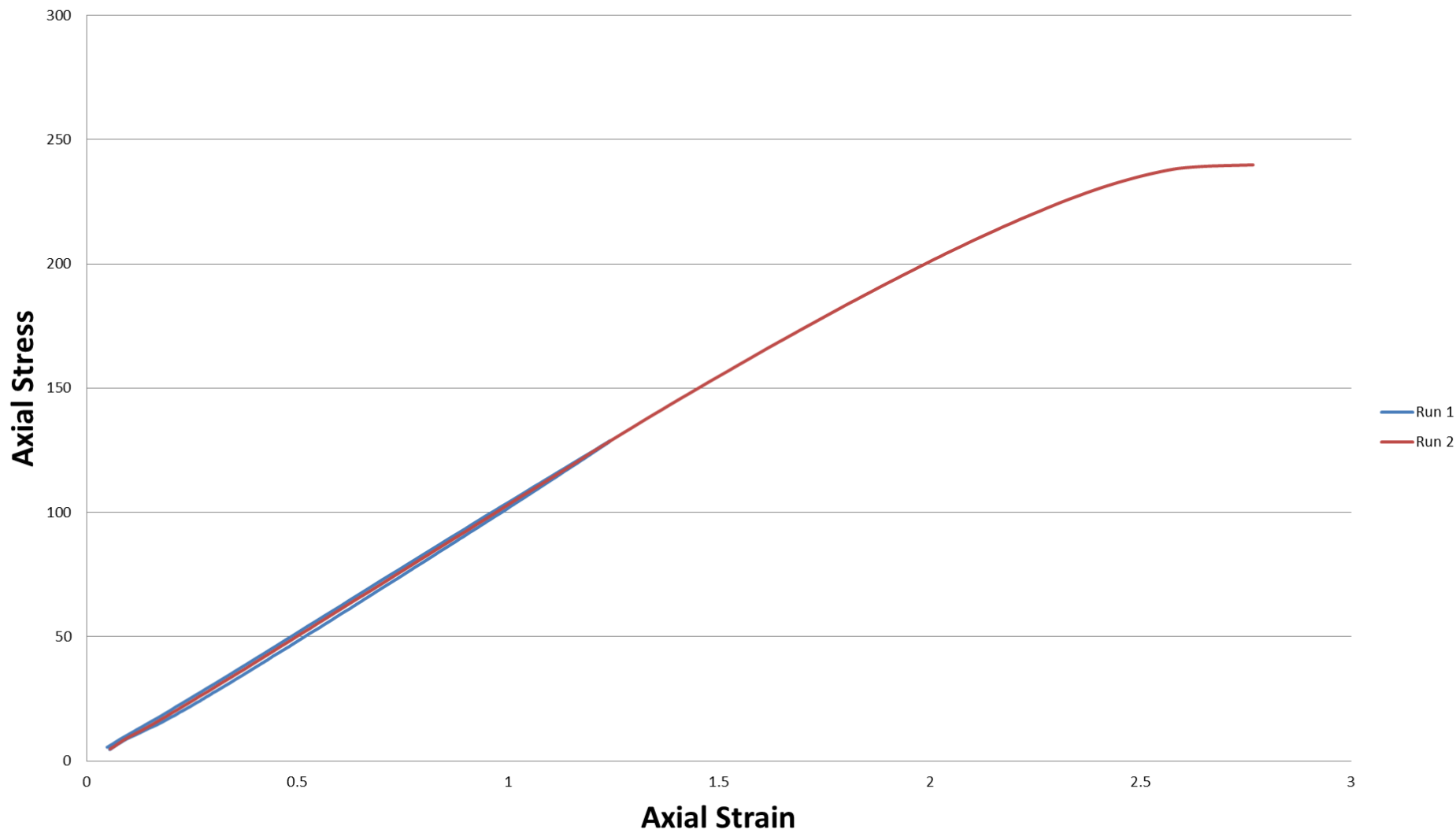
Norite 05



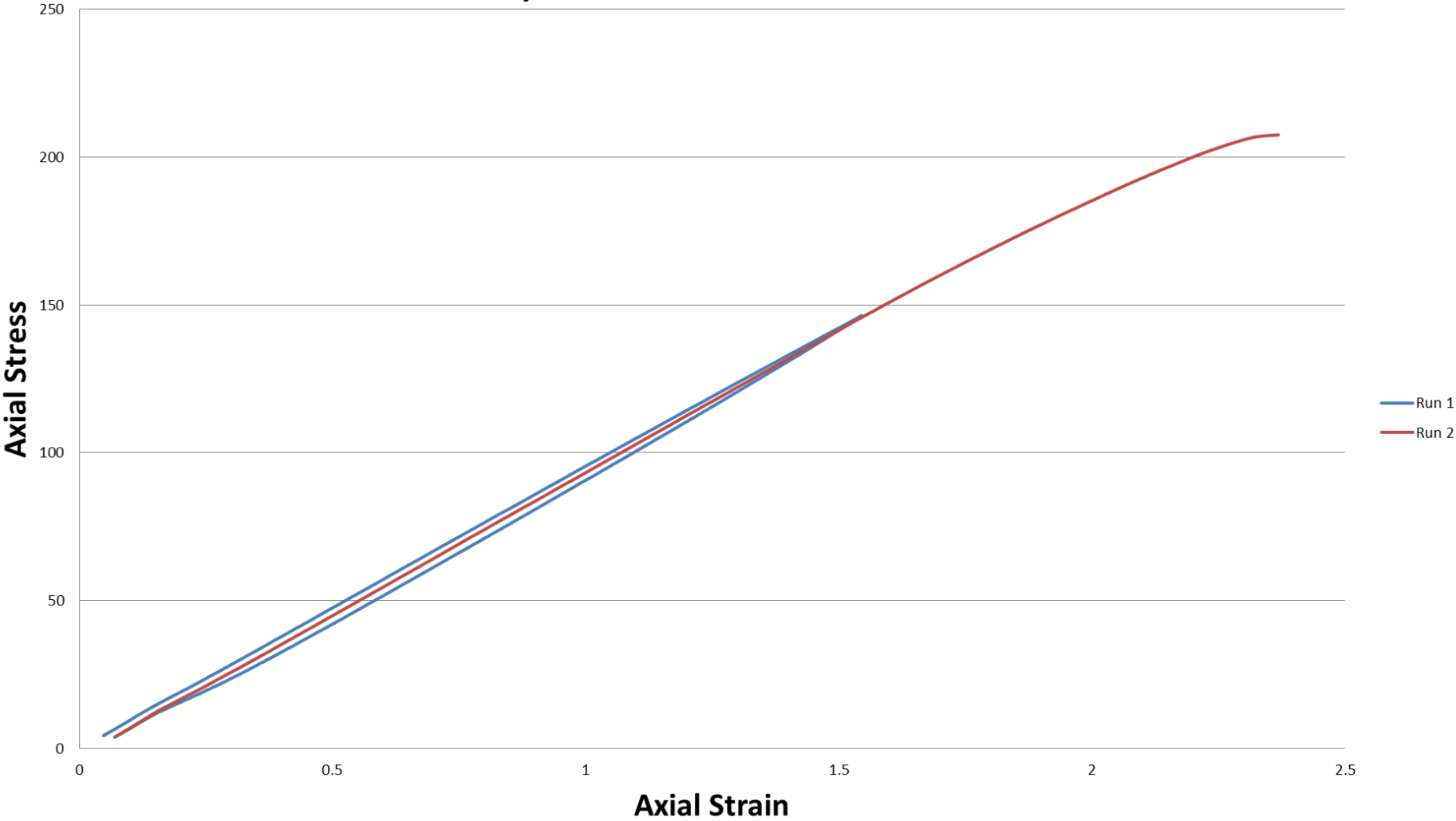
Pyroxenite 01



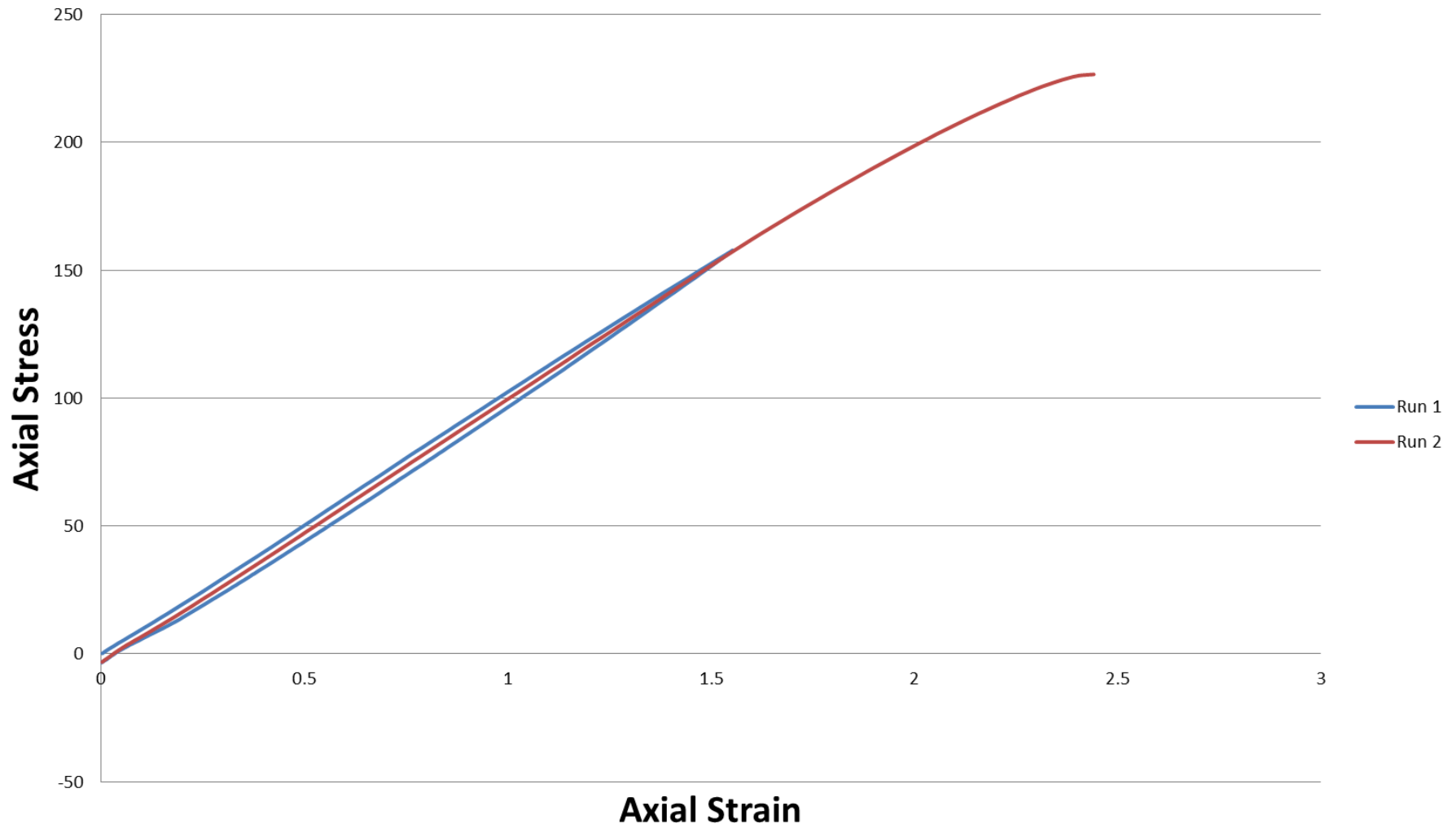
Pyroxenite 02



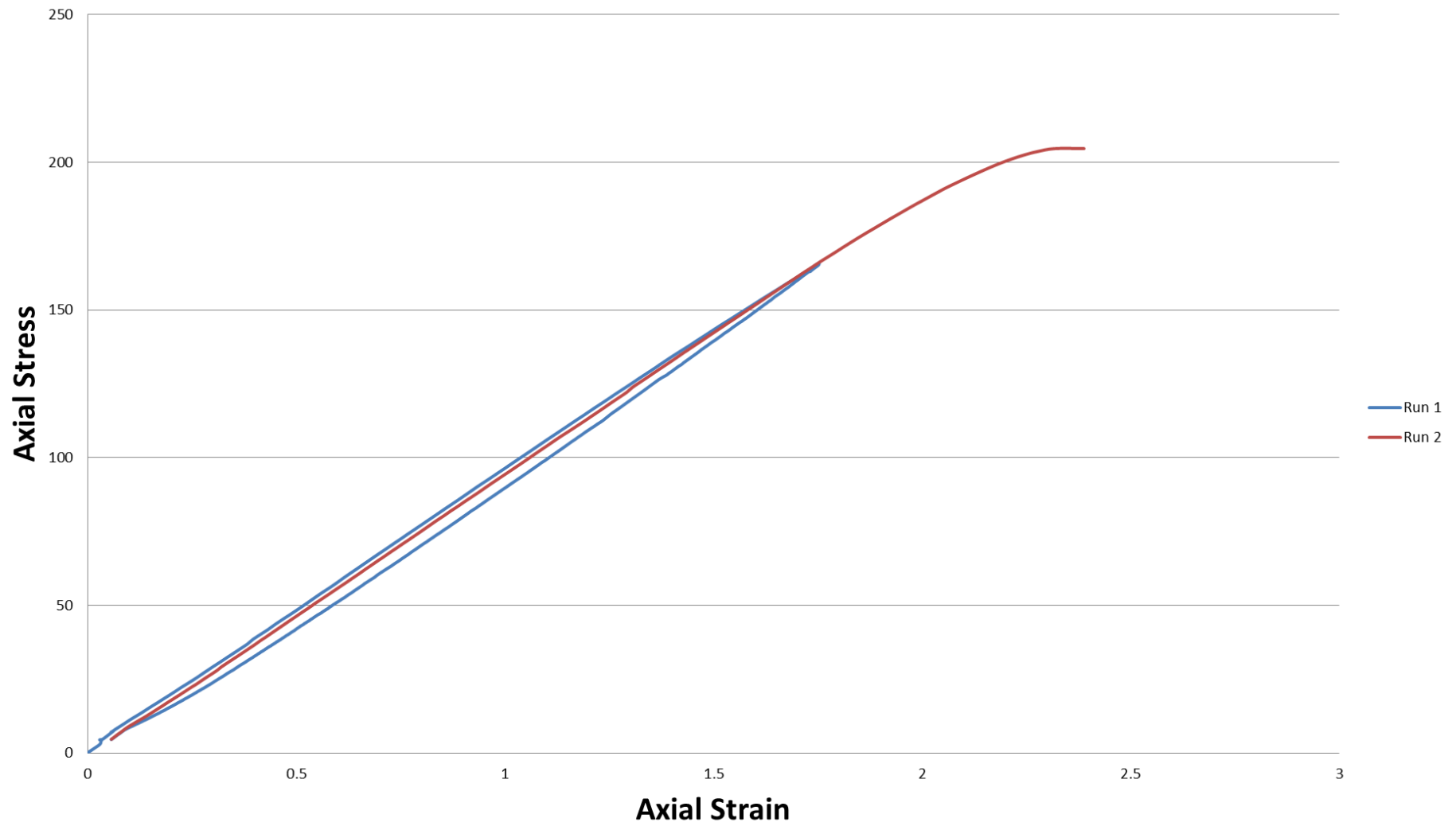
Pyroxenite 03



Pyroxenite 04



Pyroxenite 05



Rock Type	Norite	Granofels	Pyroxenite						Norite	Granofels	Pyroxenite
CoR	0.91	0.94	0.95					1	184.71	218.07	224.75
UCS (MPa)	176.792	203.59	220.67					2	177.94		239.85
Poisson's Ratio	0.34	0.279	0.285					3	190.32	201.98	207.52
Modulus of Elasticity (GPa)	93.24	105.34	99.52					4	173.1	190.72	226.6
Energy (MJ/m3)	201.55	219.58	300.7					5	157.89		204.63
								AVE	176.792	203.59	220.67
								STD	12.4292	13.7459	14.5764176
Rock Type	Sample Number	E (GPa)	v	UCS (MPa)	Notes						
Granofels	G01	112.361	0.2784	218.07	Shear failure						
Granofels	G02	95.294	0.2765	161.91	exclude, failure through joint						
Granofels	G03	107.05	0.2867	201.98	Shear failure						
Granofels	G04	106.65	0.2755	190.72	Shear failure						
Granofels	G05	100.474	0.8953	113.62	exclude, failure through joint						
	AVE	105.33875	0.279275	203.59							
Pyroxenite	P01	98.477	0.2516	224.75	Shear failure						
Pyroxenite	P02	86.693	0.295	239.85	Shear failure						
Pyroxenite	P03	94.396	0.2981	207.52	Shear failure						
Pyroxenite	P04	104.559	0.2995	226.6	Shear failure						
Pyroxenite	P05	94.875	0.3029	204.63	Shear failure						
	AVE	95.8	0.28942	220.67							
Norite	N01	92.578	0.3366	184.71	Shear failure						
Norite	N02	95.403	0.3609	177.94	Shear failure						
Norite	N03	96.772	0.3162	190.32	Shear failure						
Norite	N04	91.211	0.3394	173.1	Shear failure						
Norite	N05	90.23	0.3472	157.89	Shear failure						
	AVE	93.2388	0.34006	176.792							