Date:

Aim: **Quantitate stiffness of LiqPS-PANI at multiple concentrations of PANI**

Sample	Deformation	PANI	Force	Starting Length	Sample Width	Sample Height	Sample CS Area	Stress	Strain
	(mm)	(%)	(N)	(mm)	(mm)	(mm)	(mm2)	(kN/mm2)	(mm/mm)
1	0	30	0	20	11	0.8	8.8	0	0
1	0.1	30	8.7	20	14	0.8	11.2	0.0007768	0.005
2	0.1	30	12.9	20	12.3	0.8	9.84	0.001311	0.005
3	0.1	30	12.3	20	15	0.8	12	0.001025	0.005
Mean								0.0010376	0.005
1	0.1	10	33.4	20	12.3	0.3	3.69	0.0090515	0.005
2	0.1	10	36.7	20	11.4	0.3	3.42	0.010731	0.005
3	0.1	10	42.3	20	11.2	0.3	3.36	0.0125893	0.005
Mean								0.0107906	0.005
1	0.1	3	39	20	11	0.5	5.5	0.0070909	0.005
2	0.1	3	31.3	20	10.5	0.3	3.15	0.0099365	0.005
3	0.1	3	38	20	11.7	0.3	3.51	0.0108262	0.005
Mean								0.0092845	0.005
1	1	0	35.8	20	12.3	0.2	2.46	0.0145528	0.05
1	1	0	31.8	20	11.8	0.2	2.36	0.0134746	0.05
1	1	0	42	20	11.1	0.2	2.22	0.0189189	0.05
Mean								0.0156488	0.05