

CA Composites Limited

Industrial Grade Nomex Honeycomb Test Data Sheet

Specification (cell size- density)	Compressive Strength MPa	Measure of Shear Strength			
		L direction		W direction	
		Strength Mpa	Modulus Mpa	Strength Mpa	Modulus Mpa
Regular Hexagonal(RH)					
CA-NH-1.83-32	0.63	0.39	17.02	0.21	8.95
CA-NH-1.83-48	1.75	1.08	43.98	0.61	21.48
CA-NH-1.83-64	3.2	1.45	56.26	0.86	22.86
CA-NH-1.83-80	5.4	2.01	70.97	1.4	63.72
CA-NH-1.83-128	12.11	2.44	224.65	1.93	106.64
CA-NH-2.75-24	0.29	0.47	16.3	0.29	9.84
CA-NH-2.75-32	0.7	0.48	17.9	0.28	10.7
CA-NH-2.75-48	1.8	1.18	44.02	0.61	21.12
CA-NH-2.75-56	2.16	1.4	50.66	0.81	21.76
CA-NH-3.67-32	0.75	0.55	25.7	0.32	15.09
CA-NH-3.67-48	1.65	1.02	43.37	0.58	33.06
CA-NH-5.50-32	0.8	0.65	38.02	0.37	16.5
CA-NH-5.50-48	1.75	0.99	54.42	0.59	24.31
Over Expanded(OX)					
CA-OX-2.75-29	0.55	0.29	12.9	0.33	24.02
CA-OX-2.75-40	1.45	0.44	24.57	0.52	33.61
CA-OX-2.75-48	1.75	0.54	27.8	0.65	43.12
<ul style="list-style-type: none"> • Above values are in MPa • Performed at room temperature • tolerance on density: $\pm 10\%$ • tolerance on cell size: $\pm 5\%$ • Thickness of core: 12mm 					