

CA COMPOSITES LIMITED

TDS for Aerospace grade Nomex Honeycomb Cores

Aerospace Grade Nomex Honeycomb Cores (Cell size- density)	Compression		Plate shear					
	bare		“L” direction		“W” direction			
	strength		strength		Modulus	strength		Modulus
	Typ.	Min.	Typ.	Min.	Typ.	Typ.	Min.	Typ.
CA-NH-A-1.83-32	0.94	0.60	0.62	0.48	28	0.40	0.32	14
CA-NH-A-1.83-48	2.15	1.70	1.24	0.96	66	0.78	0.65	32
CA-NH-A-1.83-64	3.80	3.36	1.81	1.62	84	1.08	0.86	42
CA-NH-A-2.75-32	0.96	0.60	0.66	0.50	32	0.42	0.39	16
CA-NH-A-2.75-48	2.16	1.95	1.20	0.95	64	0.70	0.62	29
CA-NH-A-2.75-64	3.82	3.50	1.81	1.50	82	1.02	0.80	40

- Above values are in MPa
- Performed at room temperature
- tolerance on density: $\pm 10\%$
- tolerance on cell size: $\pm 5\%$
- Thickness of core: 12mm