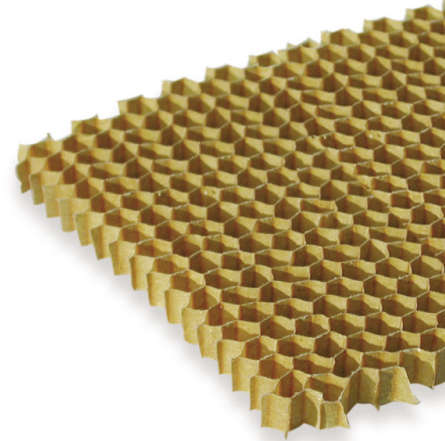


Nomex honeycomb

Nomex honeycomb core is an extremely lightweight, high strength and non metallic product manufactured with aramid fiber paper impregnated with a heat resistant phenolic resin. This core material offers the unique combination of properties necessary for superior electrical insulation. Aramid paper is used in boat hulls, auto racing bodies and military shelters. Furthermore it's very appreciated by the aeronautical, train and shipyard industry.

The client can choose between industrial and aeronautical grade.



Honeycomb core's properties					
Designation			Compression Strength	L-Shear	W-Shear
	Cell size mm	Density kg/m ³	N/mm ²	N/mm ²	N/mm ²
Hexagonal	3.2	48	1.90	1.16	0.62
Hexagonal	3.2	64	3.10	1.48	0.82
Hexagonal	3.2	80	4.70	1.95	1.05
Hexagonal	3.2	96	6.60	2.45	1.42
Hexagonal	3.2	128	11.30	2.95	1.78
Hexagonal	3.2	144	13.20	3.05	1.90
Hexagonal	4.0	29	0.60	0.45	0.26
Hexagonal	4.0	80	5.10	1.90	0.98
Hexagonal	4.8	32	0.90	0.58	0.36
Hexagonal	4.8	48	2.60	0.98	0.56
Hexagonal	4.8	64	3.40	1.70	0.92
Hexagonal	4.8	80	6.00	1.95	1.10
Hexagonal	4.8	96	7.30	2.26	1.32
Hexagonal	6.4	24	0.54	0.34	0.18
Hexagonal	6.4	32	0.80	0.54	0.30
Hexagonal	6.4	48	2.05	1.00	0.56
Hexagonal	6.4	64	3.40	1.54	0.79
Hexagonal	9.6	24	0.52	0.32	0.16
Hexagonal	9.6	32	0.68	0.56	0.29
Hexagonal	9.6	48	1.80	1.15	0.66
Over expanded	4.8	29	0.60	0.31	0.32
Over expanded	4.8	48	2.30	0.60	0.72
Over expanded	4.8	64	3.80	0.72	0.90
Over expanded	4.8	72	4.00	0.75	0.92
Over expanded	4.8	80	5.30	0.88	1.17
Over expanded	4.8	96	6.70	0.92	1.28
Over expanded	6.4	48	2.30	0.60	0.72
Over expanded	6.4	64	3.20	0.72	0.90

Standard dimensions
(other dimensions available on request)

