

CORMASTER C2

High performance lightweight material from SCHÜTZ for industrial applications.



CORMASTER
ADVANCED COMPOSITES



ADVANTAGES

- Excellent cost-benefit ratio.
- Superior mechanical properties with high strength to weight ratios
- High dimensional stability under heat and moisture
- High temperature capabilities, service temperature up to 180°C
- Product uniformity and exceptional resin to paper cohesion

DELIVERY TIME

- A lot of CORMASTER honey-comb types are available on stock. Delivery time on request.

MATERIAL

- non metallic structures made from NOMEX® T722 paper sheets
- bonded together and coated with a phenolic resin



APPLICATION

- Main structural sandwich applications in industrial applications (f.e. automotive, naval, rail, transport and sports industries)

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Technical data

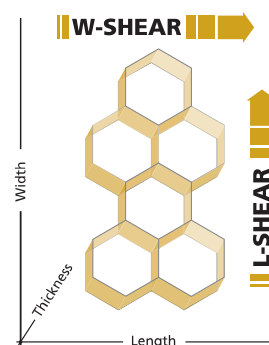


CORMASTER TYPE		Compressive strength (MPa)		Shear strength (MPa)		Shear modulus (MPa)	
		bare	stabilized	L	W	L	W
HEXAGONAL CONFIGURATION							
	C2 - 3,2 - 48	1,8	2,0	1,2	0,7	36,0	24,0
	- 64	3,0	3,4	1,6	0,85	50,0	35,0
	- 80	4,4	4,6	1,75	1,0	56,0	32,0
	- 123	9,9	10,0	3,0	2,0	91,0	65,0
	C2 - 4,8 - 32	0,8	0,9	0,55	0,32	18,0	13,0
	- 48	1,8	2,0	1,12	0,54	37,0	23,0
	- 64	3,0	3,2	1,6	0,85	50,0	27,0
	- 96	6,5	6,8	2,35	1,3	74,0	36,0
	C2 - 6,4 - 32	0,6	0,7	0,5	0,32	17,0	13,0
	- 50	1,9	2,0	1,1	0,53	37,0	16,0
	- 64	3,2	3,3	1,35	0,72	46,0	23,0
	C2 - 9,6 - 32	0,6	0,7	0,6	0,3	15,0	12,0
	- 48	1,3	1,57	0,82	0,4	28,8	18,5
OVEREXPANDED CONFIGURATION							
	C2 - 4,8 - 29 OX	0,5	0,6	0,25	0,3	8,0	12,0
	- 48 OX	1,7	2,0	0,5	0,7	15,0	25,0
	C2 - 6,4 - 48 OX	1,7	2,0	0,5	0,55	12,5	23,0
	- 56 OX	2,0	2,1	0,6	0,7	16,0	29,0

Honeycombs density: the allowable tolerance is + 13 % and -10 % from the nominal density. Exceptions from this are the qualities C2-6,4-24, C2-3,2-29, C2-4,8OX-29 and C2-9,6-29, which are tolerated at +/- 15 % of the density.

To submit an offer we need the CORMASTER type with cell size and density together with the dimensions (width, length and thickness) of the required honeycomb product. Please notice, that it is very important to consider the different properties for L- and W-Shear. Do not hesitate to contact us, if you have particular requirements.

C2 - 4,8 - 48	
meta-aramid C2 paper sheets coated with resin	Density in kg/m ³
Cell size in mm	



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