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P.IVA 04102600378 CCIAA BO 0339628
ALUMINIUM AND THERMOPLASTIC HONEYCOMBS, LAMINATES, SANDWICH PANELS

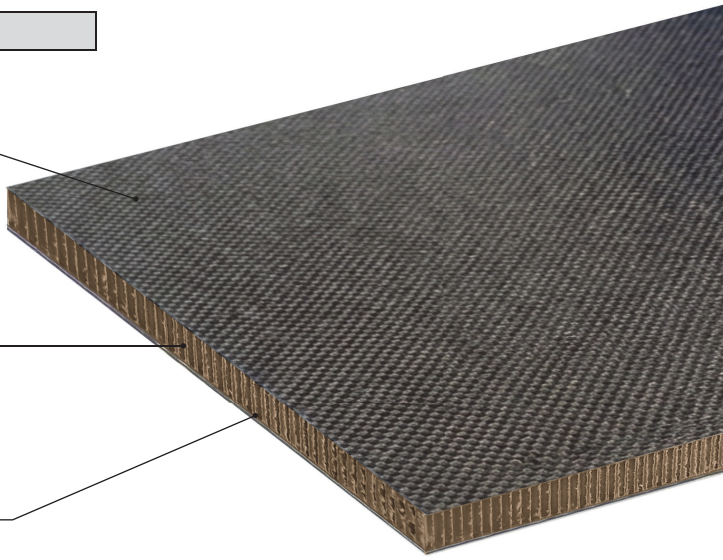
ENG

CARBONSTEP® N

Panel's composition

SKINS IN BIDIRECTIONAL CARBON FABRIC

CORE
Nomex® honeycomb core
Diameter: Ø1/8", Ø3/16"



Technical data sheet for standard panels (dimensions, materials and special finishes on request)									
TECHNICAL CHARACTERISTICS OF PANEL	Panel thickness	mm	from 5 to 50						
	Panel dimensions	mm	standard dimensions 1250x2500						
	Thickness tolerance	mm	± 0,3						
	Dimensions tolerance	mm	± 30						
	Skins thickness	mm	starting from 0,6mm, other thickness on request						
	Impregnation		Epoxy resin						
	Weaving		Plain						
	Carbon yarn		3k						
	Carbon weight		220 gr/m², other weight on request						
	Honeycomb		Nomex® in phenolic resin, aramid paper in phenolic resin						
	Hexagon cell dimensions	Ø = mm	3,2-4,8						
	Honeycomb density	kg/m³	from 32 to 48						
	Panel weight*	Thickness mm	5	15	20	25	30	35	50
		kg/m²	1,1	1,5	1,8	2	2,2	2,5	3,2
	Medium resistance to delamination**	ASTM D1781	> 40 Nmm/mm						
	Service temperature	°C	-40+85°C						

* Referring to a panel with a 3.2-48 kg/m³ honeycomb
** Tested by Internal Laboratory

Sandwich Panel CARBONSTEP N®

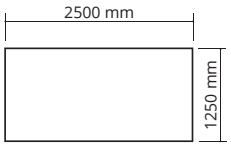
Last Revised: 03/26_Rev. 0

CEL COMPONENTS

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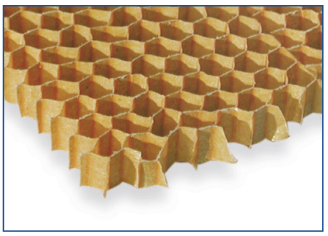
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Standard dimensions (other dimensions available on request) - Dimension tolerance ±30mm



CARBONSTEP® N				
Nomex® honeycomb diameter mm	Density kg/m³	Compression Strength N/mm²	L-Shear N/mm²	W-Shear N/mm²
3,2	48	1,9	1,16	0,62
4,8	32	0,9	0,58	0,36

Nomex® honeycomb



Sandwich Panel CARBONSTEP N®

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