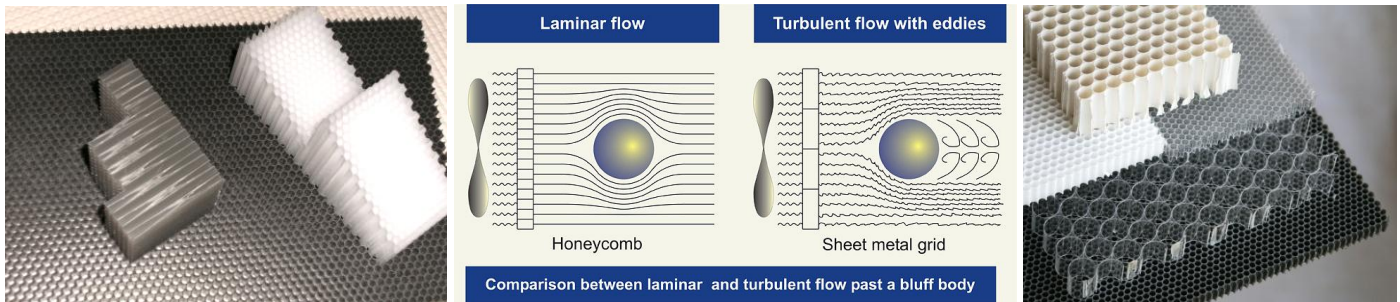


The CORETEX Group



Innovative lightweight honeycomb cores, panels, composites, adhesives, process equipment & consultancy

Coretex PC Honeycomb Core – Technical Datasheet



Product group Property	Unit	Test Method	PC 2.5- 110	PC 3.5- 90	PC 4.0- 80	PC 6.0- 70	PC 7.0- 70	PC 10.0- 90	PC 12.0- 90
Material			PC	PC	PC	PC	PC	PC	PC
Tube diameter	mm	+/- 0.3	2.5	3.5	4.0	6.0	7.0	10.0	12.0
Density	Kg/m ³ (pcf)	+/- 7,5%	110 (6.87)	90 (5.62)	80 (5.0)	70 (4.37)	70 (4.37)	90 (5.62)	TBC
Compression strength	MPa (psi)	DIN 53 421	3.6 (522)	2.8 (406)	2.2 (319)	1.9 (275)	1.8 (261)	319 (2.2)	TBC
Compression modules	MPa (ksi)	DIN 53 421	155 (22.3)	115 (16.6)	106 (15.3)	95 (13.7)	95 (13.7)	144 (20.8)	TBC
Shear strength	MPa (psi)	DIN 53 294	1.5 (217)	1.3 (188)	1.1 (159)	1.0 (145)	1.0 (145)	1.14 (165)	TBC
Shear modulus	MPa (ksi)	DIN 53 294	25 (3.6)	22 (3.19)	21 (3.04)	19 (2.75)	19 (2.75)	22 (3.19)	TBC
Temperature range	°C (°F)		-40 +110 -40 +230	-40 +110 -40 +230	-40 +110 -40 +230	-40 +110 -40 +230	-40 +110 -40 +230	-40 +110 -40 +230	-40 +110 -40 +230
Effective % Open Area for Air Flow	%		81.5 %	84 %	84.9 %	84.9 %	84 %	83.5 %	83.2 %

Standard colours: Clear, White, Grey, Black – others on request
 Nomenclatures: Type-density colour length x width x thickness
 Example: PC 2,5-110 grey 1250 x 500 x 20 mm

Dimensions:

	1. Standard	2. Standard	Max.
Length	1250 mm	2000 mm	3000 mm
Width	500 mm	1000 mm	1350 mm
Thickness	1mm – 300mm	1mm – 300mm	1mm – 300mm

Other dimensions, cell diameters, densities, colours and special orders: upon request

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