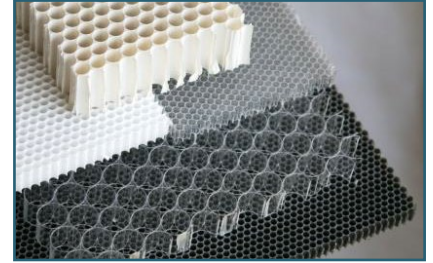
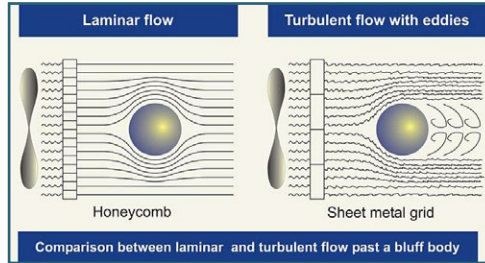
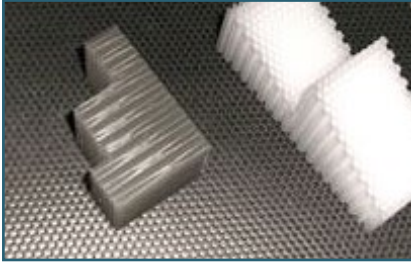


Innovative lightweight honeycomb cores, panels, composites, adhesives, process equipment & consultancy

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
Material	-	-	PC	PC	PC	PC	PC
Tube diameter	mm	+/- 0.3	2.5	3.5	4.0	6.0	7.0
Density	Kg/m ³ (pcf)	+/- 7,5%	110 (6.87)	90 (5.62)	80 (5.0)	70 (4.37)	70 (4.37)
Compression strength	MPa (psi)	DIN 53 421	3.6 (522)	2.8 (406)	2.2 (319)	1.9 (275)	1.8 (261)
Compression modules	MPa (ksi)	DIN 53 421	155 (22.3)	115 (16.6)	106 (15.3)	95 (13.7)	95 (13.7)
Shear strength	MPa (psi)	DIN 53 294	1.5 (217)	1.3 (188)	1.1 (159)	1.0 (145)	1.0 (145)
Shear modulus	MPa (ksi)	DIN 53 294	25 (3.6)	22 (3.19)	21 (3.04)	19 (2.75)	19 (2.75)
Temperature range	°C (°F)	-	-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 %

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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