

PP Honeycomb Technical Data

T-PHC series polypropylene honeycomb core is a lightweight core that delivers excellent flex properties, including longitudinal stiffness and compression strength. The PP honeycomb core can be widely used in industrial lightweight constructions, especially for vehicles and automobiles.



Technical Data

Type	Standard	PPB-80T30	PPB-80T30F75
Cell Size (mm)	/	8	8
Density kg/m ³	Typical	80	80
	Minimum	76	76
Thermal Conductivity (W/m*K,10°C)	/	0.102	0.102
Flatwise Tensile Strength (MPa)	/	0.56	0.56
Flatwise Compressive Strength (MPa)	/	1.55	1.55
Effective Temperature Range (°C)	Maximum	-25	-25
	Minimum	80	80
Bare Compression Strength (MPa)	Typical	1.33	1.33
	Minimum	1.1	1.1
Bare Compression Modulus (MPa)	Typical	1128	1128
	Minimum	1104	1104
Plate Shearing Strength (MPa)	Typical	0.56	0.56
	Minimum	0.52	0.52
Plate Shearing Modulus (MPa)	Typical	350	350
	Minimum	300	300
Air & Water Permeability	/	Yes	No

Optional Size:

Cell size from 3.5mm to 12.0mm; thickness from 3.5mm to 110mm; density from 65mm(cell12.0) to 140mm(cell3.5)

Maximum Plate Length: 3100mm

Maximum Plate Breadth: 1500mm

Flatwise Compressive Strength:

From 0.4MPa(PP12-60) to 8.4MPa(PP4.5-220)