

PETfoam

Key words :

PETFOAM

PETFOAM CORE/PANEL/SHEET/PANEL/BOARD

PET FOAM CORE UK

PET Polyethylene Terephthalate Foam Core

World Famous Brand Manufacture :

Armcell, 3A, MID, Diab, Gurit Holding, Sekisui Plastic, Petro Polymer Shargh, etc.

Application :

Wind blades of wind power equipment , Ships, aerospace, construction, *transportation tools*, etc.

PETFOAM

FRP PETFoam composite sandwich panel



Contact US

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Parameters of PET Foam Core:

TYPICAL PROPERTY		STANDARD	UNIT	VALUE	PET80	PET100	PET120	PET 150/200/250
Apparent Density		ISO 845	Kg/m ³	Average	85	100	120	
				Range	80-90	95-105	110-130	
Compression Strength		ISO 844	MPa	Average	1.3	1.75	2.4	
				Minimum	-1.1	-1.4	-2.1	
Compression Modulus		ISO844	MPa	Average	75	90	140	
				Minimum	-60	-65	-110	
Tensile Strength		ASTM C297	MPa	Average	1.9	2.3	2.6	
				Minimum	-1.4	-1.5	-2	
Tensile Modulus		ASTM C297	MPa	Average	90	110	175	
				Minimum	-80	-90	-130	
Shearing Strength		ISO 1922	MPa	Average	0.72	0.9	1.3	
		-2012		Minimum	-0.65	-0.75	-1.1	
Shearing Modulus:	Parallel to the bonding line	ISO 1922	MPa	Average	22	26	34	
	Perpendicular to the bonding line	-2012		Average	19.5	23	30	
	Perpendicular to the bonding line			Minimum	16	19	25	
Thermal Conductivity at Room Temperature		ISO 8301	W/m.k	Average	0.034	0.035	0.036	

Advantage :

- ✧ Certificated by Germanischer Lloyd (DNV GL's certification)
- ✧ ECO- friendly, recyclable
- ✧ Stable chemical properties, compared with XPS, EPS, PU Foam core materials.
- ✧ Superior mechanical properties (compressive strength, compressive modulus, shear strength, shear modulus, tensile strength, tensile modulus)

FRP PETCore Composite Sandwich Panel

Application:

Road and Rail: Floors, sidewalls, front ends, interiors, roofs, engine covers

Industrial: Covers, containers, x-ray tables, sporting goods

Architecture and Construction: Roofs, claddings, domes, portable building

Aerospace: Interiors, galleys, meal trolleys, radomes

Marine: Decks, interiors, superstructures



Van box



Boat deck



Wind power fans