

T-C Series PET Foam 80/100/120

TOPOLO PET foam is compatible with various resin and forming processes.

The process temperature can reach 150°C, and the long term thermal stability is good. (the maximum can reach 100°C/212°F)

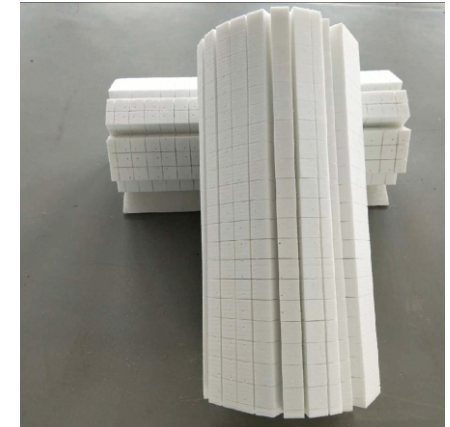
The density of PET foam core is from 60kg/m³ to 250kg/m³.

Advantage

- Strong fatigue resistance
- Nonabsorbent
- Good chemical stability
- No post-expansion
- Environmental friendly
- Easy adhesion (bonding of panel and core)

Packaging

- Standard size 1220×2440mm
- Plastic membrane for inner packing, carton for outer packing
- Neat packaging, well sealing, water resistant



Technical Data

Typical Property	Standard	Unit	Value	T-C-PET80	T-C-PET100	T-C-PET120	T-C-PET80-R ¹	T-C-PET100-R	T-C-PET120-R
Apparent Density	ISO 845	Kg/m ³	Average Range	85 80-90	100 95-105	100 95-105	80 75-85	100 95-105	120 115-125
Compression Strength	ISO 844	MPa	Average Minimum	1.3 (1.10)	1.75 (1.40)	2.4 (2.10)	1.15 0.9	1.50 1.20	2.10 1.80
Compression Modulus	ISO 844	MPa	Average Minimum	75 (60)	90 (65)	140 (110)	70 60	85 75	115 105
Tensile Strength	ISO 844	MPa	Average Minimum	1.9 (1.4)	2.3 (1.5)	2.6 (2.0)	1.8 1.3	2.2 1.6	2.5 2.0
Tensile Modulus	ASTM C297	MPa	Average Minimum	90 (80)	110 (90)	175 (130)	95 85	120 90	165 125
Shearing Strength	ASTM C297	MPa	Average Minimum	0.72 (0.65)	0.9 (0.75)	1.30 (1.10)	0.68 0.60	0.8 0.7	1.25 1.10
Shearing Modulus: Parallel to the bonding line Perpendicular to the bonding line Perpendicular to the bonding line	ISO 1922 -2012	MPa	Average Average Average Minimum	22 19.5 16	26 23 19	34 30 25	19 17	22 18	28 23
Thermal Conductivity at Room Temperature	ISO 1922 -2012	W/m.k	Average	0.034	0.035	0.036	0.033	0.034	0.035
Foam Panel	Width	mm±5	1220	1220	1220	1220	1220	1220	1220
	Length	mm±5	2440	2440	2440	2440	2440	2440	2440
	Thickness	mm±5	5-700	5-700	5-700	5-700	5-700	5-700	5-700

Note¹: The types with -R are with flame retardant while others are without flame retardant.