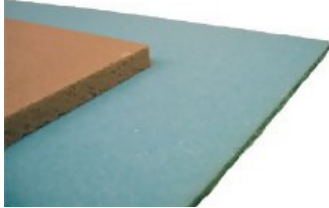


#500 Vinyl Foam Sheets



Overview: Our Vinyl Foam Sheets are PVC based, rigid, closed-cell foam with a tri-dimensional grid structure, which provides high thermal stability and structural integrity. As a structural core, our vinyl sheets are used in conjunction with high strength facings to produce lightweight, yet exceptionally stiff composite structures. Vinyl Foam is widely used and found in pleasure crafts, tanks, high performance boats, vehicles and many other high-strength, low-weight applications.

		Material Properties		
Quality				#500
Density	Kg/m ³			75
ISO 845	Lb/ft ³			4.7
Compressive Strength	MPa(+22°C)			1.3
ISO 844	Psi(+72°F)			189
Compressive Modulus	MPa(22°C)			109
ASTM D 1621-B	Psi(72°F)			15805
Tensile Strength	MPa(+22°C)			1.9
ISO 1926	Psi(+72°F)			276
Shear Strength	MPa (+22°C)			1.0
ISO 1922	Psi(+72°F)			145
Shear Modulus	MPa(+22°C)			31
ISO 1922	Psi(+72°F)			4495

Continuous operating temperature range:	-200°C to + 70°C (-325°F to 160°F)
Maximum processing temperature:	+80°C (+176°F)
Coefficient of linear expansion (ASTM D-696):	35 x 10 ⁻⁶ /°C(2 x 10 ⁻⁵ /°F)
Poissons ratio:	0.32
Density Tolerance:	-10%/+15%