

## #1022 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		#1022
Density ISO 845	Kg/m <sup>3</sup>	#3 45
	Lb/ft <sup>3</sup>	2.8
Compressive Strength ISO 844	MPa(+22°C)	0.5
	Psi(+72°F)	73
Compressive Modulus ASTM D 1621-B	MPa(22°C)	60
	Psi(72°F)	8700
Tensile Strength ISO 1926	MPa(+22°C)	0.9
	Psi(+72°F)	131
Shear Strength ISO 1926	MPa (+22°C)	32
	Psi(+72°F)	4640
Shear Modulus ISO 1922	MPa(+22°C)	0.6
	Psi(+72°F)	87
Shear Modulus ISO 1922	MPa(+22°C)	19
	Psi(+72°F)	2755

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 <sup>-6</sup> /°C(2 x 10 <sup>-5</sup> /°F)
Poissons ratio:	0.32
Density Tolerance:	-10%/+15%