



## Opti-Pac 2100 Plus OF Media

Opti-Pac 2100 Plus OF is a fouling-resistant film fill media with vertically offset flutes manufactured from rigid corrugated PVC sheets for counterflow cooling tower heat transfer applications. The fill modules are solvent welded for maximum strength and are resistant to UV, rot, fungus, organic / inorganic acids, alkalis and chemicals normally found in cooling tower water.

Modules are fabricated in 12", 24" and 48" depths, 12" to 24" widths, and in lengths up to 12'-0" in 2' increments. Custom dimension modules are available upon request. Standard sheet mil thickness is 10 and 15 mil (after forming). Sheet spacing is 21mm and minimum heat transfer area (wetted surface) is 45 ft<sup>2</sup>/ft<sup>3</sup> with a 95% minimum void-to-volume ratio. Weight per cubic foot is 1.4 lbs/ft<sup>3</sup> for 10-mil packs and 2.1 lbs/ft<sup>3</sup> for 15-mil.

PVC sheets have the following properties:

Physical Property	ASTM Test	Units	Value
Density	D772	g/cm <sup>3</sup>	1.39 – 1.45
Tensile Strength (yield)	D882	lb/in <sup>2</sup>	6,000 min
Flexural Strength	D790	lb/in <sup>2</sup>	>11,000
Flexural Modulus	D790	lb/in <sup>2</sup>	>525,000
Stiffness in Flexure	D747	lb/in <sup>2</sup>	525,000 min
Gardner Impact Strength	D4226	in lb/mil	1.0 min
Tensile Impact Strength	D1822	ft lb/in <sup>2</sup>	255 min
Heat Deflection	D648	Deg F.	162 min
Flammability	D635		Self extinguishing Less than 5 seconds
Flame Spread Rate	E 84		Less than 20