

# OPTI-PAC

Cellular PVC Film Fill Media

## OPTI-PAC 1900 COOLING TOWER MEDIA

Opti-Pac 1900 film fill media is manufactured from rigid PVC sheets for cooling tower heat transfer applications. The media is fabricated from corrugated PVC sheets that are solvent welded for maximum strength and are resistant to UV, rot, fungus, organic / inorganic acids, alkalis and chemicals normally found in cooling tower waters.

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 PVC sheet mil thicknesses are 10 and 15 mil after forming. Special mil thicknesses are available upon request. Sheet spacing is 0.75". Heat transfer area (Wetted Surface) is 48 ft<sup>2</sup> per ft<sup>3</sup>. Weight per cubic foot is 1.60 lb/ft<sup>3</sup> for 10-mil and 2.40 lb/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



**TOWER**  
COMPONENTS INC.

5960 US Highway 64 East  
Ramseur, NC 27316

Phone: (336) 824-2102  
Fax: (336) 824-2190

<http://www.towercomponentsinc.com>