



TechClean™ PVC Film Fill

Optimal Balance Between Thermal Performance and Foul Resistance

Physical Properties	ASTM Test	Values
Density	D772	1.39 – 1.45 g/cm ³
Tensile Strength (yield)	D882	6,000 lb/in ² minimum
Flammability	D635	Self extinguishing
Flame Spread Rate	E 84	Less than 20

TechClean fill media is the perfect solution for balancing thermal performance and foul resistance for most cooling tower applications. TechClean is manufactured from rigid polyvinyl chloride PVC sheets for cooling tower heat transfer applications. The PVC sheets are resistant to UV, rot, fungus and organic and inorganic solvents, acids and alkalis and chemicals normally found in cooling tower circulating water.

Modules are fabricated in nominal 12", 24" and 48" depths, 12" to 24" widths, and in lengths up to 12'-0". Custom dimension modules can be manufactured and are available upon request.

Standard sheet mil thicknesses include 10 mil, 15 mil and 20 mil after forming. For other sheet thicknesses, including those greater than 20 mil, contact EvapTech. TechClean film fill media complies with Cooling Technology Institute Standard STD-136.

Individual sheets are manufactured with contoured transitions occurring at flute offsets. When TechClean modules are assembled into packs, adjacent fill sheets are bonded to one another at multiple locations to assure pack integrity and beam strength.

The thermoformed microstructure of the sheets maximizes heat transfer while the vertically offset flute design reduces pressure drop and significantly reduces the potential for fouling. These product characteristics result in exceptional thermal performance in conjunction with high resistance to clogging when compared to cross-fluted designs, especially those with exaggerated and complex microstructures.

Contact EvapTech for guideline specifications and application recommendations.

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