

Product Specification

CF25 Low Fouling Film Fill



Product Description

CF25 is a high efficiency, offset angular flute film fill with extremely low fouling potential designed for installation in heavy industrial counterflow cooling towers. The fill packs are constructed from individual sheets of UV protected polypropylene formulated for cooling tower applications and in compliance with CTI-136. The fill packs will operate satisfactorily in continuous operating temperatures of 176°F or less.

The surface of the fill has an engineered microstructure to improve heat transfer. The individual sheets are strategically bonded together at “DEDICATED JOINTS” with a male/female connection and a destructive connection. The final assembly results in a staggered pattern of flutes to form a structurally sound honeycomb pattern.

This fill is suitable for applications where TSS levels are 50 ppm or less (200 ppm if bacterial activity is low), make-up is from uncontaminated sources, water treatment includes good to fair biological & scale control, there are minimal airborne contaminants and oils or greases in the system are limited to 1 ppm.



CES CF25

Applicable Commercial Standards

Property	Test Method	Typical Values
Tensile Strength (MPa)	ASTM-D638	>24.1
Flexural Modulus (MPa)	ASTM-D790	>1103
Izod Impact Strength (J/cm)	ASTM-D256	>0.27
Heat Distortion Temperature 1.82 MPa (°C)	ASTM-D648	>60
Flame Spread	ASTM-E84	25 or less

ASTM methods shown above are based on the Annual Book 1999 and have been modified to suit practical conditions.

For dimensions and/or physical properties different from those listed above or special requirements including weatherability, flammability, etc., contact CES for agreement on the specifications.

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Product Dimensions

Description	Units	Value
Flute Height	Inches	0.98
Surface Area	SF/CF	38.1
Module Depth	Inches	19.7/9.84
Module Width	Inches	11.81
Max Module Length	Inches	94.5
Sheets per 12” module	Each	12
Sheet Thickness (avg before forming)	Mils	12 - 39

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