## Product Specification CF25 Low Fouling Film Fill



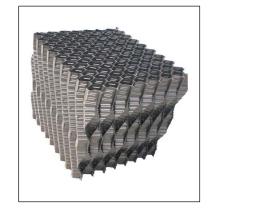
## Product Description

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), makeup 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.

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## Applicable Commercial Standards

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	ASTM-D648	>60
1.82 MPa (°C)		
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. Statements and methods presented are based upon the best available information and practices known to CES.		
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Product Dimensions		
Description	Units	Value
Flute Height	Inche	es 0.98
Surface Area	SF/C	F 38.1
Module Depth		es 19.7/9.84
Module Width		es 11.81
Max Module Length		es 94.5
Sheets per 12" module		12
Sheet Thickness (avg before forming)		12 - 39
Custom module sizes and sheet thickness can be tailored to customer		
specification. Contact CE Shepherd Co for details.		

