

Palmetto XF IL/ID Crossflow Film Fill

Manufactured by Palmetto Plastics Innovations, the Palmetto XF IL/ID is a high-performance fill media designed for **HVAC and Light Industrial** applications. With over 30 years of proven performance, the Palmetto XF design is the perfect solution for your factory assembled package crossflow cooling tower.



KEY FEATURES

Material:

- ▶ Rigid PVC sheets conform to CTI STD-136 standards.
- ▶ Flame spread rating of 25 or less per ASTM E84.

Performance:

- ▶ Offers exceptional thermal performance.
- ▶ High performing herringbone design evenly distributes water over the entire fill area.
- ▶ Includes integral drift eliminators (XF75-ID) and inlet louvers (XF75-IL).

Application:

- ▶ Crossflow cooling towers with low levels of suspended solids (<25ppm).

Design Features:

- ▶ Bonded edges for stability with inter-connecting offsets to maintain sheet spacing.
- ▶ Dedicated bond points throughout the pack for durability.
- ▶ Features a surface area of $51 \text{ ft}^2/\text{ft}^3$ for optimal heat transfer.

PHYSICAL FEATURES OF PXF IL/ID

Dimensions:

- ▶ Available in 24" depths totaling 48" with both IL/ID sections.
- ▶ Lengths up to 10 ft.
- ▶ Widths ranging from 6" to 24".
- ▶ Sheet spacing is 0.75" (19mm), with 16 sheets per foot of width.
- ▶ Available in 10mil and 15mil after-forming thickness.

Weight:

Typical dry weight depends on sheet thickness:

- ▶ **1.7 lbs/ft²** for 10 mil AF (after forming) sheet thickness.
- ▶ **2.4 lbs/ft²** for 15 mil AF sheet thickness.

Palmetto Plastics Innovations is a leading provider of cooling tower fills and other plastic components for the cooling tower industry. We see Innovation as a **WAY OF LIFE**, not merely an event.



MATERIAL SPECIFICATIONS

The PVC sheets used in the Palmetto XF IL/ID conform to ANSI/ASTM D1784:12454B standards and exhibit the following physical properties:

| PROPERTY | TEST METHOD | UNIT | TYPICAL VALUE |
|-------------------------|---------------|-------------------------|-----------------------------|
| Specific Gravity | D792 | g/cm ³ | 1.39 – 1.45 |
| Tensile Strength | D638 / D882 | psi | 5,500 min. |
| Flexural Modulus | D790 | psi | 350,000 min. |
| Flexural Strength | D790 | psi | 10,000 min. |
| Stiffness in Flexure | D747 | psi | 425,000 min. |
| Gardner Impact Strength | D4226 Proc. B | in. lbs/mil | 1.2 min. |
| Tensile Impact Strength | D1822 | ft. lbs/in ² | 255 min. |
| Heat Deflection | D648 | °F | 162 min. |
| Flammability | D635 | — | Self-extinguishing (<5 sec) |

OUR VALUES

INNOVATION
Constantly ask if there is a better way to do things.

HONESTY
Tell the truth.

INTEGRITY
Do what we say we will do.

PROFESSIONALISM
Treat our customers with respect and courtesy.