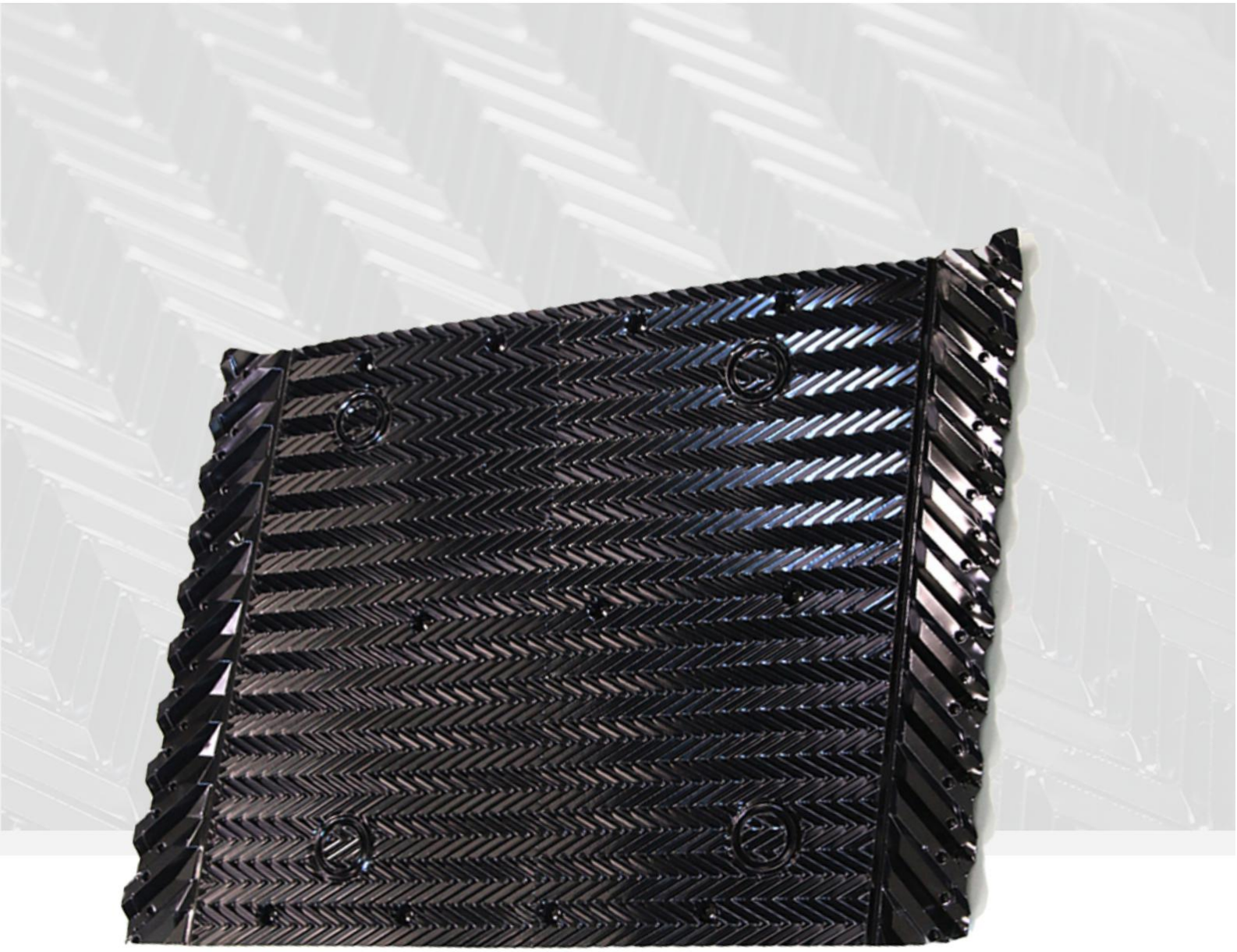
# CROSS FLOW FILM FILL



# *MEH series*

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# Cross Flow Film Fill

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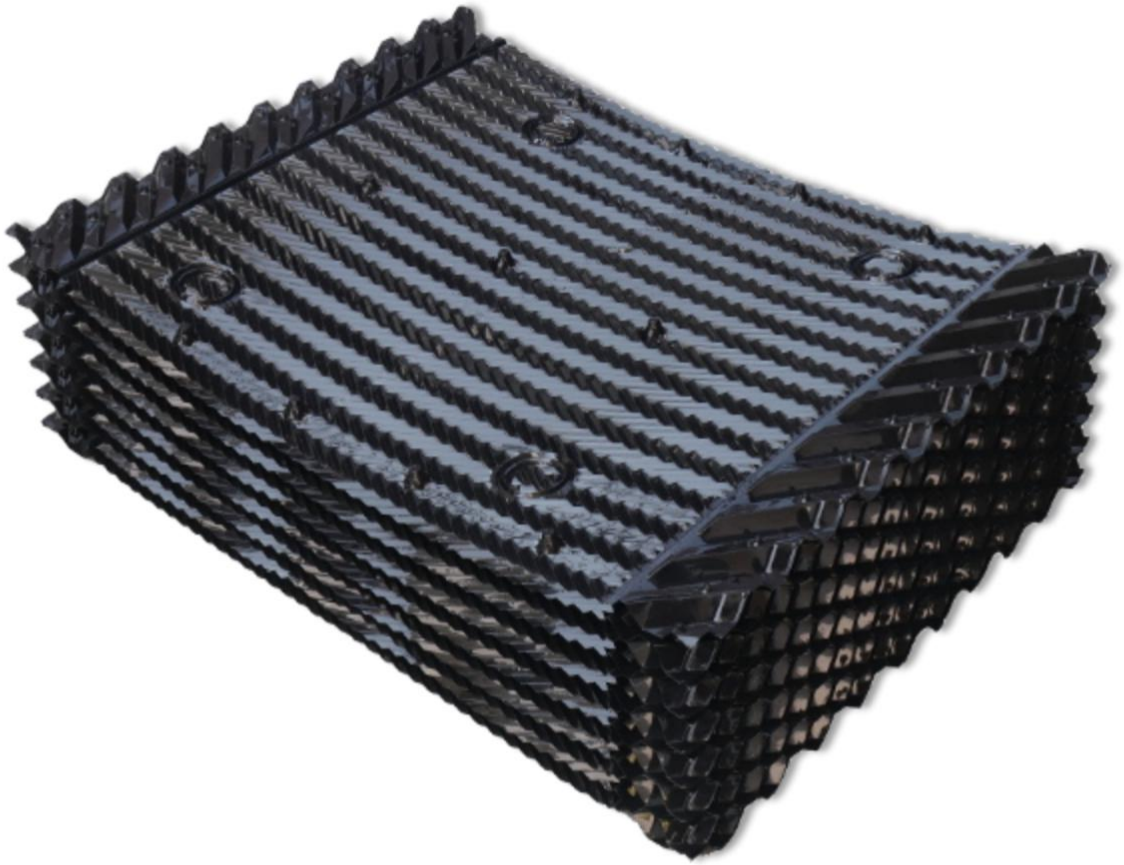

Newin MEH Film Fill is a hanging film type cooling tower fill which incorporates highly efficient cellular drift eliminator and molded with the air inlet louver, spreads the water through the thin film, flowing over large vertical surfaces, promoting maximum exposure to air flow to get higher cooling efficiency. This type of fill provides much more water surface exposure per cubic foot than splash type fill.

Applicable for replacing cross flow cooling tower series of MST-1000/ MST-3000/ MSX-R/ MST-5000/ MXR-KM-C Field Erected, with SGS test in ASTM Standards to keep high quality infill to get the high efficienty of the cooling tower. Hanging or glue assembly methods are available. Thermoformed from PVC with a flame spread rating and considered self extinguishing.

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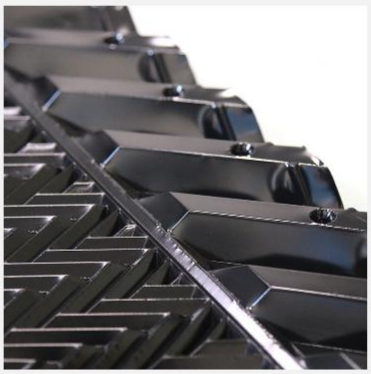
## Pictures in Details

Newin supplies customized service for different request on film fill length, width, material or thickness.
Standard flat material thickness in 0.32mm thickness and Newin developed a new technology solution for high inlet water temperature condition.

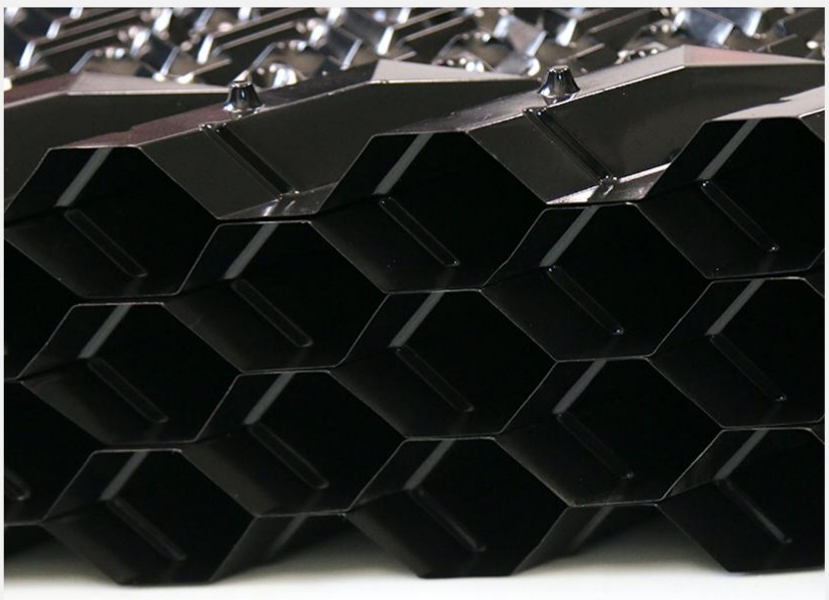
A hanging design type cooling tower fill spreads the water into a thin film, flowing over large vertical surfaces, promoting maximum exposure to air flow.

Incorporates highly efficient cellular drift eliminators, integrally molded within the fill sheets.



Louvers are also integrally molded within the fill sheets preventing water from escaping and assuring precise air distribution throughout wide variations in airflow

The surface is smooth and bright, pressure strength is strong, it will not break when touched, non-toxic and non-irritating, more safer.



Complete specifications, according to customer requirements, custom specifications and sizes to meet the needs of different fields.

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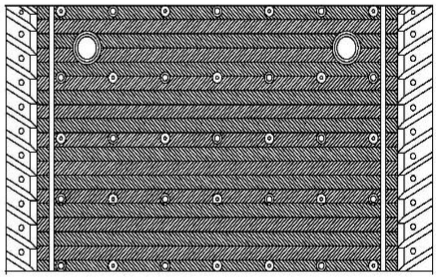
## Properties

With different request in KUH film fill, like length and width, materials or thickness, etc, please inform us your detailed request to get correct solution and offer. Newin could cover all customer requirements. Fill media in flame retardant or anti-bacterial execution are also available on request.

| | | |
|---|---|---|
| Module Length (Max) | mm | 666 |
| Module Width | mm | 900/1000/1230 |
| Module Depth | mm | — |
| Flute Height | mm | 18 |
| Flute Corrugation Angle | degrees | - |
| Surface Area | $m^2/m^3$ | 150 |
| Sheet Thickness — Before Forming | mm | 0.32 |
| Sheet Thickness — After Forming | mm | 0.28 |
| Max. application temp. (short time) — PVC | °C | 60 |
| Max.operating temp. (short time) — PP | °C | 95 |
| *Customized thickness available for special request. Contact Newin for details!* | | |



## Applicable Commercial Standards

Sheets material is strictly followed below SGS test with ASTM standards. Each property or all properties as below tested by your products are also vailable on request.

| Property | Test Method | Values | | |
|---|---|---|---|---|
| Specific Gravity | ASTM D792—13 Method B | 1.426g/$cm^3$ | | |
| Oxygen Index | ASTM D2863—13 | 34.50% | | |
| Tear Strength | ASTM D1004—13 | X direction | | 111N |
| | | Y direction | | 121N |
| Tensible Test | ASTM D 882—12 | Tensile Strength | X direction | 51.1MPa |
| | | | Y direction | 45.3Mpa |
| | | Elongation at Break | X direction | 87% |
| | | | Y direction | 56% |
| *Values shown above based on SGS Test No.: GZIN1708039662PS by Newin* | | | | |

*Statements and methods presented are based upon the best available information and practices known to Newin. Conditions of use may vary and are beyond control, the user should undertake sufficient tests to determine the suitability for any intended use of the material.*

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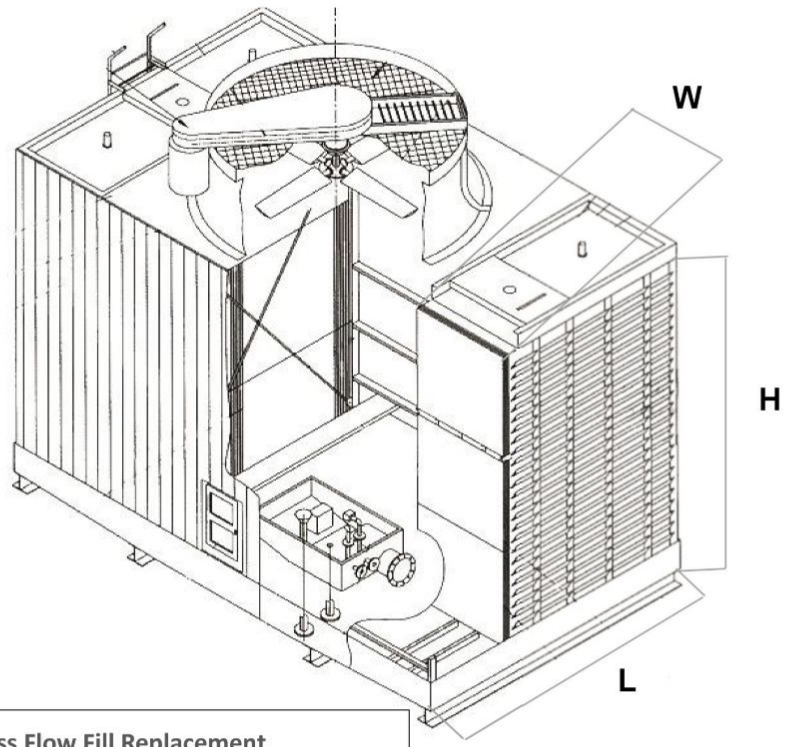
## Field Data for Cross Flow Film Fill Replacement

Fill in below measurements data for your maintenance cooling tower or reparing projects demand quality and reliability, count on Newin, site visit or maintenance service, engineered to fit the cooling tower fills or components.




| Field Data for Cross Flow Fill Replacement | | |
|---|---|---|
| Dimension | Description | Field Measurement |
| L | Inside casing length | |
| W | Inside distribution basin width | |
| H | Inside casing height (exclusive distribution basin height) | |
| Nos of Cells | | |

| Shenzhen Newin Machinery Co., Ltd. | |
|---|---|
| Drawing No. | NW-2005026-Fill |

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# Cross Flow Film Fill

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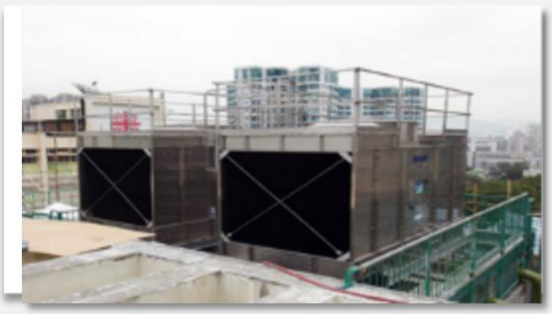
## Reference List

Newin supplies production and replacement service worldwide to satisfy different customers' request. One - stop supply for all cooling tower with parts and service.



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## Jobsite Storage Procedures for PVC Film Fills

### 1. Guidelines for the Storage of Nested Sheets

a. **Fill sheets cannot be exposed to direct sunlight for any length of time when client received**. The solid block of plastic created by the nested sheets will absorb heat rapidly and distort the exposed edges. **Inside ventilated environment storage is strongly recommended.**

b. If inside ventilation not possible then use of heavy duty tarps or waterproof boardas to cover. **Clear or black covers must not be used, and covers must not be wrapped tightly around the nested sheets**.

c. Do not stack more than five feet(1.5m) high, supported on flat level ground is required. All fill sheets must remain clean and dry prior to assembly.

※ Newin shipped PVC film fills use pallet with sun protection films or wood box to avoid the fills exposed to sunlight directly.


### 2. Guidelines for the Storage of Assembled Product

a. Modules must not be stored in any environment where the air temperature exceeds 49°C (120°F). When considering outside storage, the skin temperature of modules must not be allowed to reach more than 60°C (140 °F). Due to solar heat gain, the dark PVC material rapidly absorbs the sun's energy, the surface temperature is higher than ambient.

b. Modules must be stacked such that the plane of the sheets are in the vertical position , similar to the manner of their position in cooling tower.

c. Modules requiring storage outside must be covered .
- ·Clear or black covers must not be used.
- ·Covers must not be wrapped tightly around the media.

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