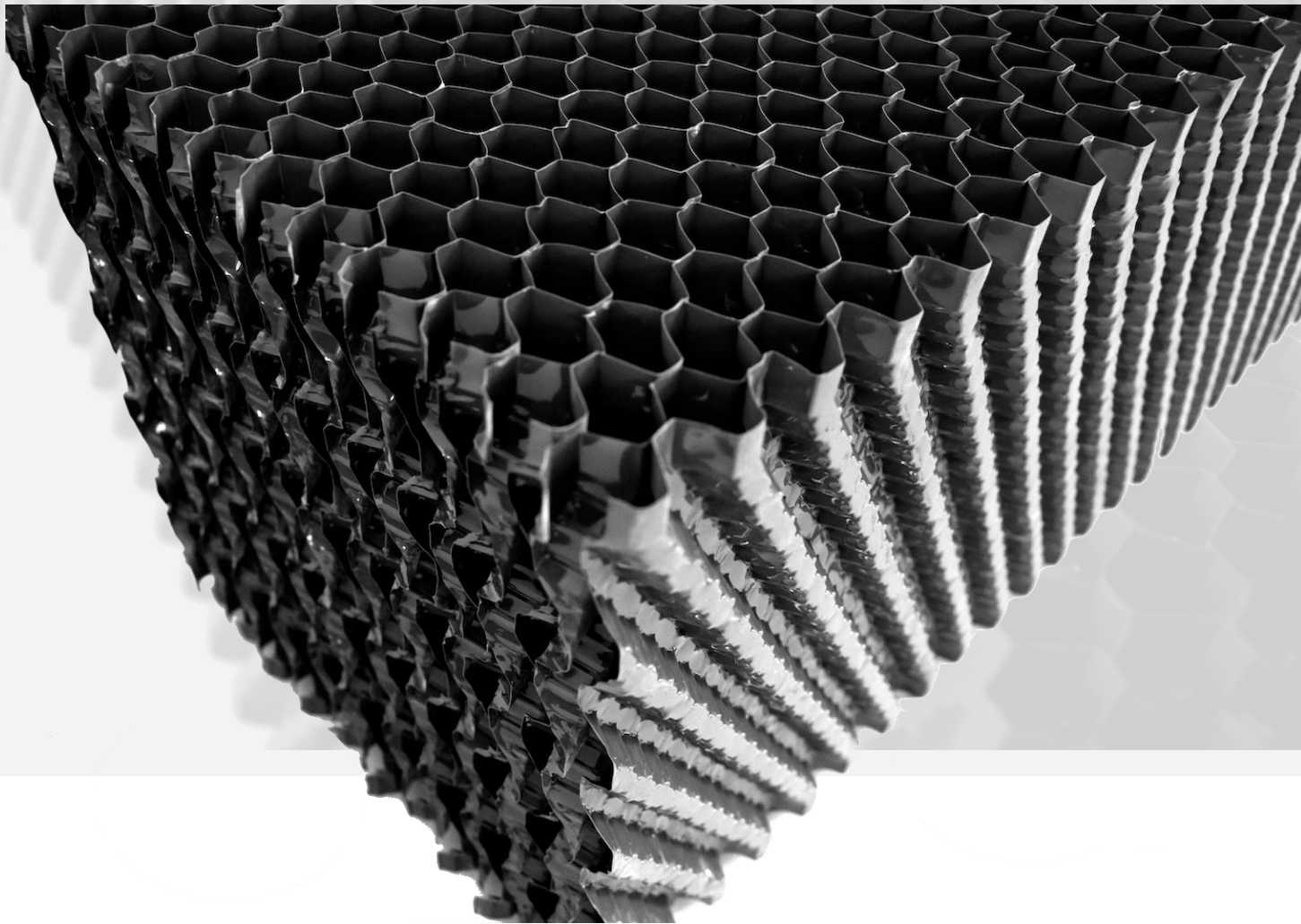
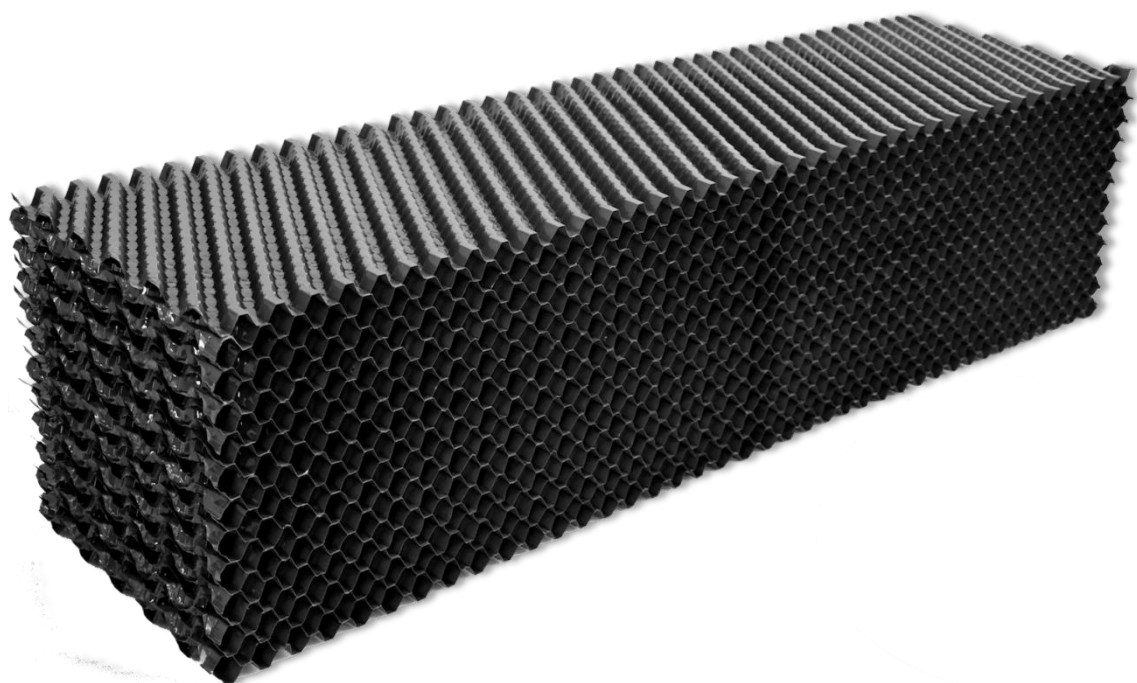


COUNTER FLOW FILM FILL



EVN series



Newin EVN Film Fill is specially designed to induce a highly turbulent mix of air and water for superior heat transfer. Special drainage tips allow high water loadings without excessive pressure drops. The bottom support of the fill section, combined with the unique way in which Newin's cross-fluted sheets are bonded together, greatly enhances the fill's structural integrity.

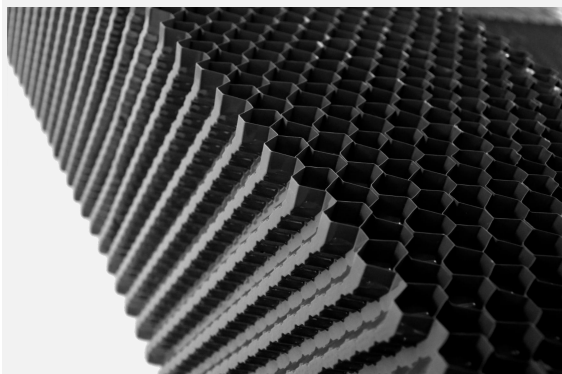
Applicable for replacing counter flow cooling tower series of ESWA, ESWB, AT UT USS, LSTE&LPT, SUN, specially designed to induce highly turbulent mixing of the air and water for superior heat transfer, with SGS test in ASTM Standards to keep high quality infill to get the high efficiency of the cooling tower, glue assembly methods are available.

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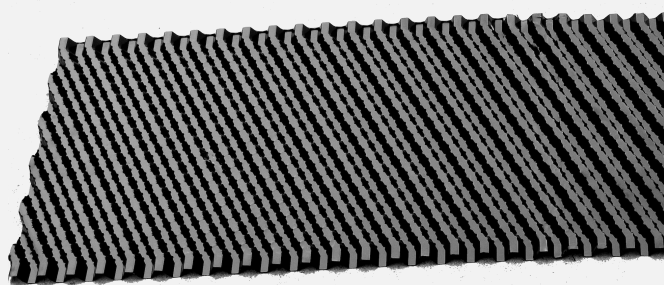
No.510, Building 12, Tiedong, China South City,
Pinghu, Longgang, Shenzhen, China. 518100
0086 755 23077266 | www.newinmachine.com

Pictures in Details

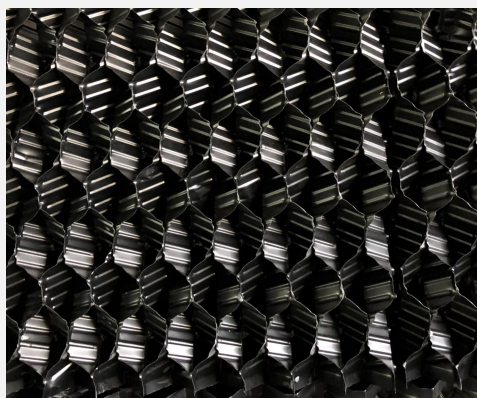
Newin supplies customized service for different request on film fill length, width, material or thickness. Standard flat material thickness in 0.32mm thickness and Newin developed a new technology solution for high inlet water temperature condition.



Thermoformed from PVC with a flame spread rating and considered self extinguishing, which the cross-fluted sheets are bonded together, the structural integrity of the fills is greatly enhanced, has excellent fire resistant qualities.

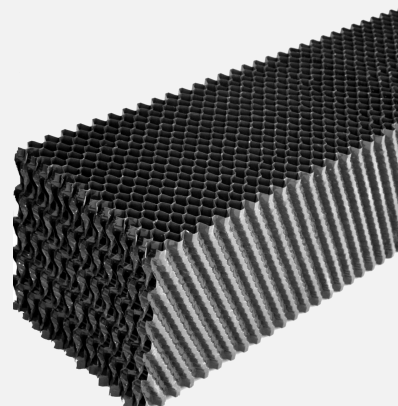


Special chute design can withstand higher water load without causing excessively high pressure drop. When the water temperature is 60 °C, it can work normally. When the water temperature exceeds 60 °C, high temperature material is available.



Unique bonding technology allows the fills to stick together tightly. Newin can provide blocks, also can provide sheets, PVC glue, guide video, customers can glued blocks on the site, reduce some freight cost.

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



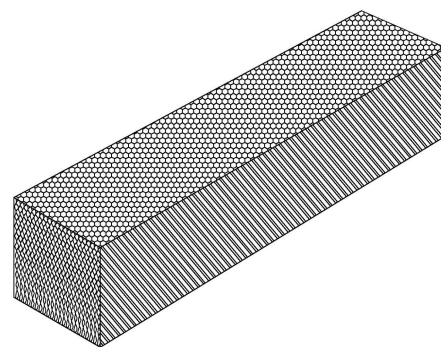
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Properties

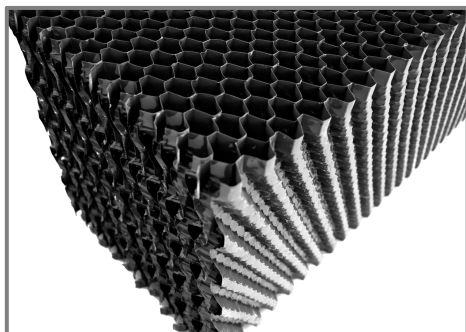
With different request in EVN film fill, like length and width, materials or thickness, etc, please inform us your detailed request to get correct solution and offer. Newin could cover all customer requirements. Fill media in flame retardant or anti-bacterial execution are also available on request.

Module Length (Max)	mm	3050
Module Width	mm	305
Module Depth	mm	—
Flute Height	mm	13
Flute Corrugation Angle	degrees	—
Surface Area	m ² /m ³	210
Sheet Thickness - Before Forming	mm	0.35
Sheet Thickness - After Forming	mm	0.32
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 available 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
Tensile Test	ASTM D 882-12	Tensile Strength	X direction 51.1MPa
			Y direction 45.3Mpa
		Elongation at Break	X direction 87%
			Y direction 56%

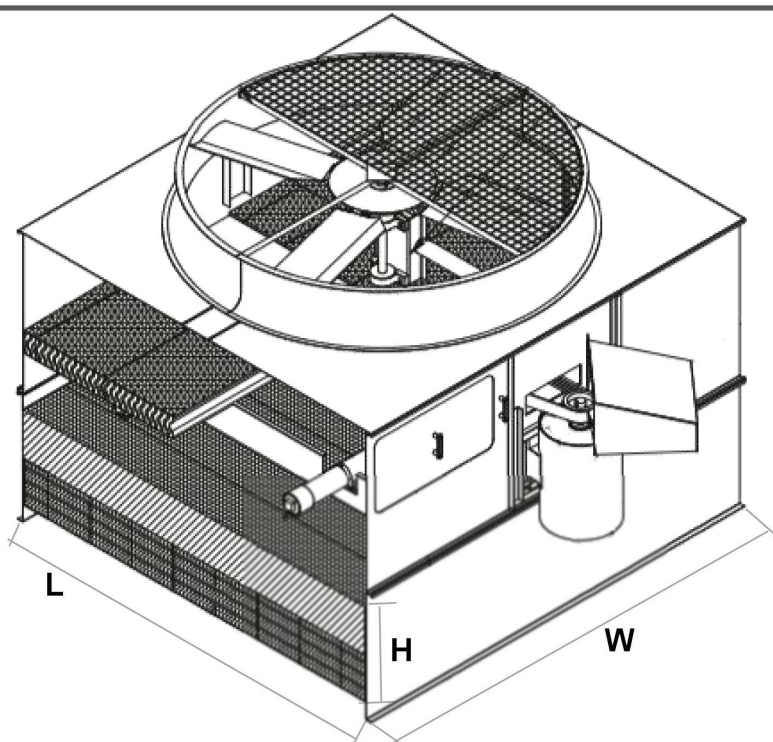
Values shown above based on SGS Test No.: GZIN1708039662PS by Newin
Statements and methods presented are based upon the best available information and practices known to Newin. Conditions of use may vary and are beyond control, the user should undertake sufficient tests to determine the suitability for any intended use of the material.

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Field Data for Counter Flow Film Fill Replacement

Fill in below measurements data for your maintenance cooling tower or repairing 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 Counter Flow Fill Replacement

Dimension	Description	Field Measurement
L	Inside casing length	
W	Inside casing width	
H	Inside fill space total height	
Nos of Cells		

Shenzhen Newin Machinery Co., Ltd.	
Drawing No.	NW-2005031-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 board as 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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