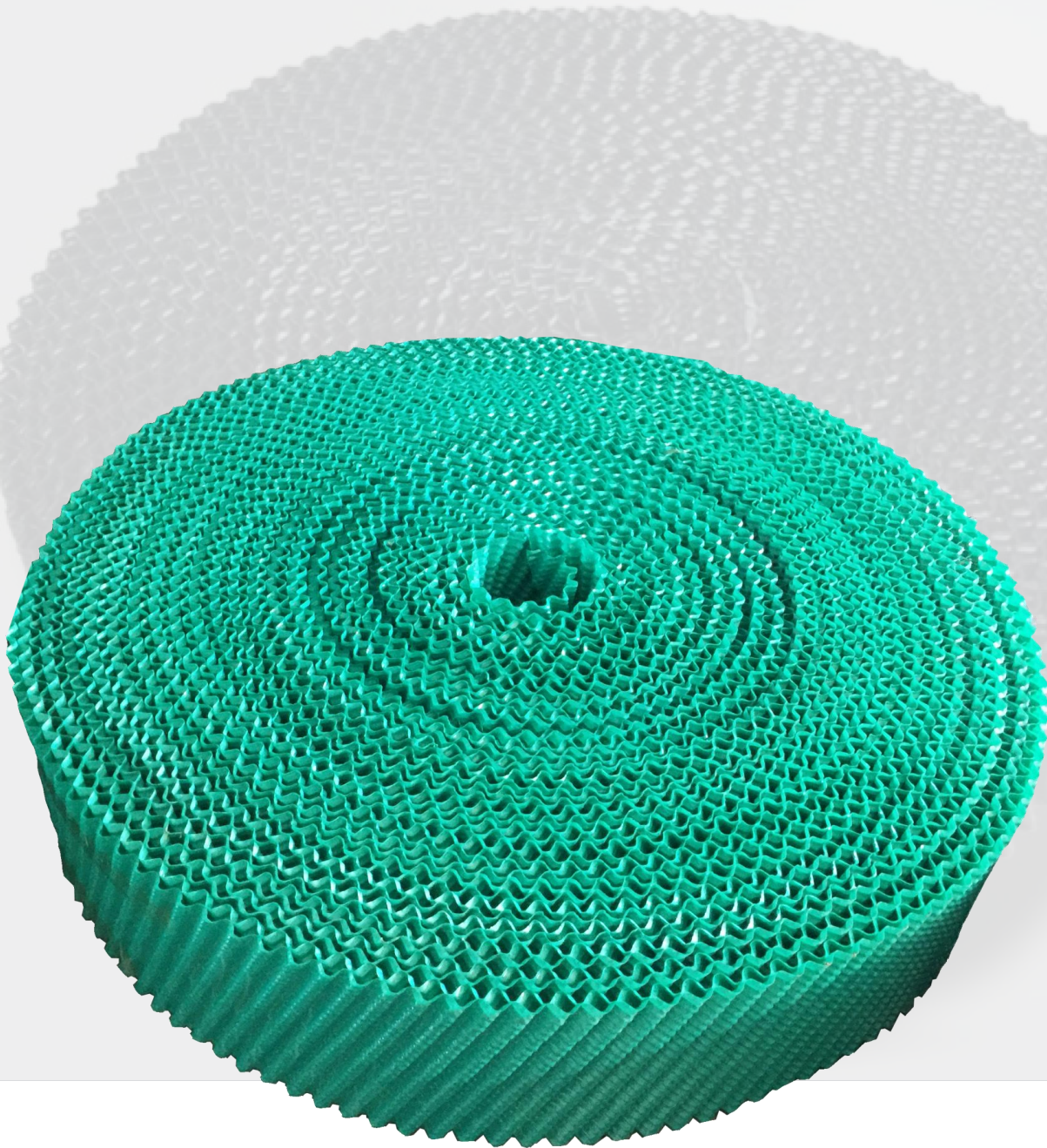


COUNTER FLOW FILM FILL



YN series



NEWIN
All About Cooling Tower



Newin YN Film Fill It is made of high-grade PVC hardness by hot pressing, and the filler block is formed by sheet bonding, which ensures the waveform, uniform thickness of the sheet, and high strength and toughness. The use of opaque, UV-resistant materials, combined with special waveform design, can obtain the largest area and the best airflow space.

Applicable for round cooling tower, with SGS test to keep high quality infill to get the high efficiency of the cooling tower. Inform us the tower model or size, we will estimate the Nos of sheets needed for your cooling tower replacing.

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Pinghu, Longgang, Shenzhen, China. 518100
0086 755 23077266 | www.newinmachine.com

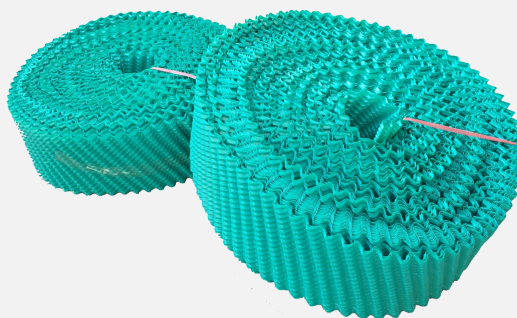
Pictures in Details

Newin supplies customized service for different request on film fill length, width, material or thickness. Standard flat material thickness in 0.3mm thickness and Newin developed a new technology solution for high inlet water temperature condition.



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

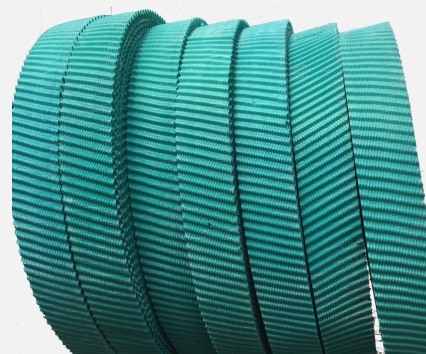
Fully solve gas-liquid exchange, reasonable design, not easy to hide dirt, easy to install.



Large contact area, reasonable design, durable; Strong hydrophilic property, good film formation, easy to conduct heat conduction of filler; Good chemical stability, acid and alkali resistance and organic solvent corrosion.

Unique bonding technology allows the fills to stick together tightly. Newin can provide shaped block , also can provide loose by the roll.

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



Adopt PP and PVC material

PP material: odorless, tasteless, non-toxic, excellent mechanical properties, good heat resistance. Good electrical properties and high frequency insulation are not affected by humidity. Max. operating temp. (short time): 95°C.
PVC material : mature production technology, easy to process and shape. Acid and alkali resistance, wear resistance, good electrical insulation, not easy to burn. Good tensile, compressive, bending and impact resistance. Max. operating temp. (short time): 60°C.

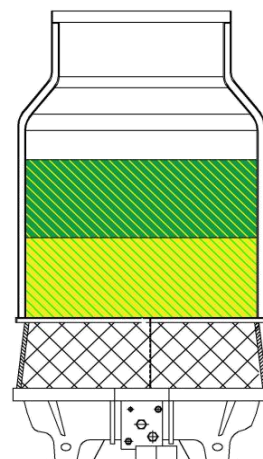
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Properties

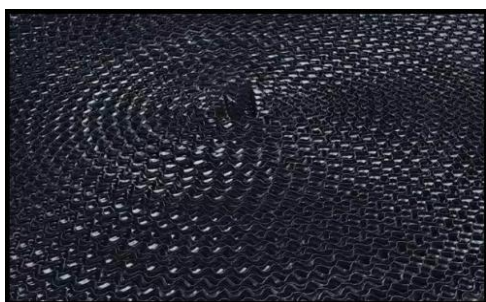
With different request in LY film fill, like length and width, materials or thickness, etc, please inform us your detailed request to get correct solution and offer. Newin could cover all customer requirements. Fill media in flame retardant or anti-bacterial execution are also available on request.

Module Length (Max)	mm	Depend on customer demand
Module Width	mm	230/250/300/350
Module Depth	mm	—
Flute Height	mm	18/25
Flute Corrugation Angle	degrees	—
Surface Area	m ² /m ³	—
Sheet Thickness - Before Forming	mm	0.30
Sheet Thickness - After Forming	mm	0.27
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/cm³		
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%

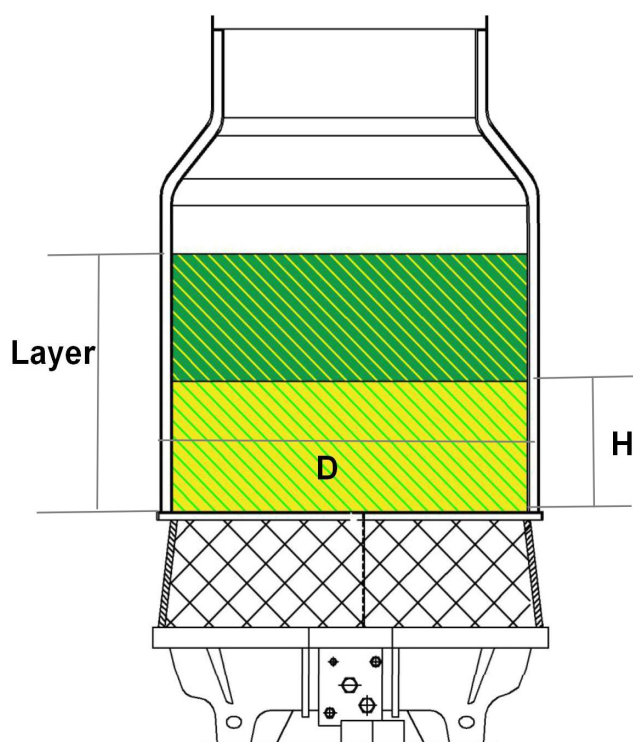
Values shown above based on SGS Test No.: GZIN1708039662PS by Newin
Statements and methods presented are based upon the best available information and practices known to Newin. Conditions of use may vary and are beyond control, the user should undertake sufficient tests to determine the suitability for 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
D	Cooling tower inside diameter	
H	Inside fill space each layer height	
Inside fill space total layers		
Nos of Cells		

Shenzhen Newin Machinery Co., Ltd.

Drawing No.

NW-2005036-Fill

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NEWIN
All About Cooling Tower

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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