

Droppack - Cooling Tower Mesh Fill (Splash-Film)

- The “DROPPACK” fill combines splash and film heat exchange process with the advantages of low fouling capability of the splash fill and the good thermal efficiency of the film fill.
- The “Droppack” fill is done with PP injected grids assembled vertically with plastics rods on a mesh pattern. The grids is 1m long *0.5 m height divided in two equal areas. The first area is flat and composed of horizontal laths for splashing, braced together. On each intersection, vertical needles concentrate the droplets in the alignment of the laths. The second part is corrugated and composed of small triangular shape allowing film to develop on the surface.
- The grids are stacked for easy transportation. They are assembled together using rods by rotating 180° one grids to the other. The assembling may be done on site as done without special tools. It forms a strong packing which may be laid on 2 beams or hanged with wiring.
- It is well adapted to any Induced or Natural draft cooling tower using poor industrial water quality. Water with high concentration of suspended fibers is not recommended.
- It is possible to walk on the top of the fill without special protection for inspection and maintenance



Technical Specification

Material	Polypropylene (PP)	Colour	Black (Any color on request)
Fire Classification	M5 (without fire retardent) M3 (with fire retardent)	Typical module width (stacking)	1000 mm (or n*40 mm)
Typical module length	1000 mm	Typical module height	500 mm
Sheet thickness	2 mm	Typical specific weight	36 kg/m ³ ± 5%
Sheet pitch	20 mm	Fouling rate coefficient	0.11 (base: SNCS=1.0)
Emptying factor	>95%	Specific heat exchange surface	79 m ² /m ³
Maximum debris size (Diameter)	28 mm	Maximum water temperature (continuous operation with fan on)	70 °C
Maximum total suspended solid (without fibers)	100 ppm	Maximum salinity (sea water)	75 gr/l
Methods or support	Suspended or laid on beams		

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