

# AeroFilm™ FM105



## Key Features

- Economical
- Good flow characteristics
- Easy to handle

## Product Description

Economical, extruded polypropylene mesh used as a 'flow media' to assist the flow of resin across and throughout the laminate during the resin infusion process. The bi-planar extrusion ensures that a resin flow path is maintained even under full vacuum.

As an extruded mesh, FM100 offers a degree of conformability but is better suited to flatter, less complex mould shapes. For more complex mould shapes we would recommend our FM105 Knitted Infusion Mesh.

FM100 can be stacked in multiple layers to provide faster flow rates in selected areas or for layer scale infusions.

Like most other elements of the vacuum bagging or resin infusion 'stack' infusion mesh cannot be reused once resin has flowed through it and therefore should be considered a disposable consumable of the process.

## Recommended Uses

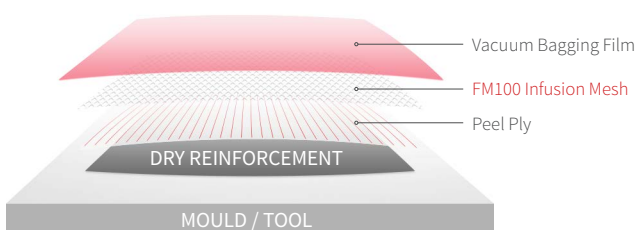
- Vacuum resin infusion of less complex mould shapes
- Debulking prepregs (without release film)

## Typical Use

FM100 Infusion Mesh would most commonly be used for vacuum resin infusion of less complex shaped small to medium sized mouldings including vehicle panels and small boat hulls.

For this type of resin infusion, peel ply would be positioned directly onto the laminate, followed by the FM100 Infusion Mesh, followed by the other infusion consumables (connectors, infusion spiral) and then enclosed within the vacuum bag. An example of one such typical bagging stack is shown below.

### Example Stack: Resin Infusion



## Specification

Property	Units	Value
Material	-	Polypropylene
Width	mm	1200 (-0 +2%)
Format	-	Single Sheet
Areal Weight	g/m <sup>2</sup>	180
Maximum Use Temperature	°C	100
Appearance	-	Clear mesh

## Handling & Storage

FM100 is a stable polypropylene mesh with no special handling or storage requirements.

## Disclaimer

This data is not to be used for specifications. Values listed are for typical properties and should not be considered minimum or maximum.

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