

AeroFilm® FM105



Key Features

- Highly conformable
- Ideal for complex mouldings
- Excellent flow characteristics

Product Description

FM105 EasyFlow Knitted Infusion mesh is a warp knitted polypropylene infusion mesh offering excellent flow media properties in conjunction with outstanding conformability over complex mould specifically as a flow media for more complex mould shapes. EasyFlow will conform over contoured mould surfaces and into tight corners whilst still maintaining excellent resin flow.

FM105 EasyFlow mesh is suitable for infusion projects of almost any size; from small aero components through to vehicle panels, smaller boat hulls and wind energy mouldings.

The soft, knitted structure of FM105 EasyFlow mesh makes it difficult to separate from peel ply once the part is cured and so to aid removal of the bagging consumables from the cured laminate, it is strongly recommended to use a heavily perforated release film between the FM105 EasyFlow mesh and the peel ply.

Recommended Uses

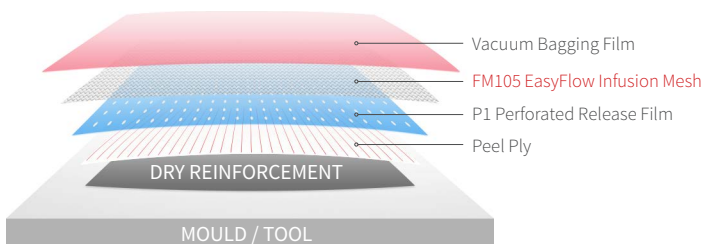
- Resin infusion of more contoured or complex mouldings
- Epoxy, polyester and vinylester infusions

Typical Use

FM105 EasyFlow mesh is most typically used as a flow media to distribute resin through the laminate during vacuum resin infusion of more complex or contoured mouldings.

A typical consumables stack for this process would be peel ply, then P1 perforated film, the FM105 mesh and then the vacuum bag.

Example Stack : Resin Infusion



Specification

Property	Units	Value
Material	-	Polypropylene
Width	mm	1400 (-0 +2%)
Format	-	Single Sheet
Areal Weight	g/m ²	88 ± 10%
Maximum Use Temperature	°C	100
Appearance	-	Clear Knitted Mesh

Handling & Storage

FM105 is a stable polypropylene material 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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