



COMBIVAC180-1 a multilayer system made of polyamide peel ply, FEP release film and breather. This 3-products-combination has been created for the vacuum moulding technology. It facilitates the implementation of the bagging materials. Vacuum moulding of composite materials involves using a number of vacuum consumables having an effect on the manufacturing and the quality. Some of consumables are used in successive layers, such as peel ply, perforated film, breather felt, and vacuum-bagging film. Standard procedures involve applying each one separately (e.g., peel ply, perforated film, breather), which can be difficult, especially when moulding is done against a vertical mould. This type of procedure can result in overlapping on very large parts, or even the omission of a layer. Overlapping can cause deformation on thin parts, creating weak areas, or it can affect the porosity of subsequent layers. COMBIVAC180-1 is to be laid down on one side of the resin-saturated part. The system combines several consumables into a three-layer unit: the peel ply layer on the bottom, adhering directly to the preform; perforated release film, permeable to resin and gases, as the next layer; and the breather on top. This easy-to-use solution eliminates the risk of overlapping or omitted layer.



PARAMETER	PEEL PLY	RELEASE FILM	BREATHER
Material type	Polyamide	FEP perforated PC	Polyester
Weight	85 g/m ²	approx. 40 g/m ²	330 g/m ²
Colour	white with red tracers	Red	White
Max use temperature*	180°C	260°C	204°C

STORAGE

Shelf life: unlimited

Storage conditions: store at 10–30°C in original packaging, shielded from direct sunlight and heat sources

NOTES

Max use temperature of the combined product - 180°C

*Maximum use temperature should be determined in actual process conditions. We recommend to test the product before use in serial production.