

AeroFilm® BR180



Key Features

- 180°C service temperature
- Economical
- Multipurpose

Product Description

BR180 Breather Layer Cloth is a 140gsm non-woven polyester/polyamide felt fabric suitable for use as a breather layer when vacuum bagging prepreg laminates or as a breather and soaker layer when vacuum bagging wet-lay laminates.

BR180 is suitable for curing temperatures up to 180°C/356°F.

Recommended Uses

- Prepreg vacuum bagging (autoclave and out-of-autoclave)
- Vacuum bagged wet-lay

Typical Use

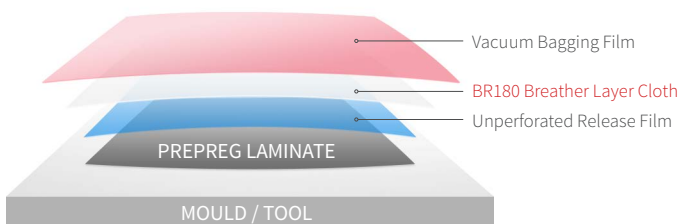
Polyester felt such as BR180 is most commonly used to ensure complete evacuation of air from within a vacuum bag (a breather layer) or to absorb excess resin from a laminate (a soaker layer). Sometimes, as in the case of vacuum bagging a wet-lay laminate, it serves both purposes.

In both of these applications, it is essential to separate the breather/soaker layer from the laminate to avoid the material from being wetted out by the resin and becoming an unremovable part of the laminate. This separation is usually provided by a release film, peel ply or both.

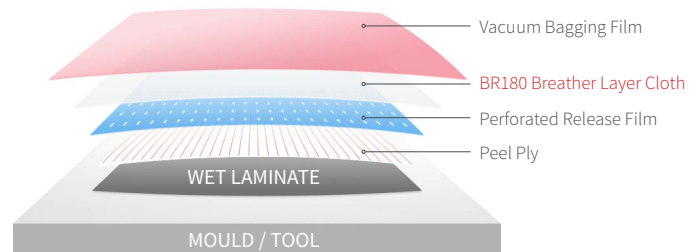
Breather cloth is also sometimes applied onto the back of moulds to make them less likely to accidentally puncture a vacuum bag when 'envelope' bagging whole moulds.

Following are some example consumable stacks demonstrating how breather is typically used in different processes:

Example Stack : Prepreg Laminating



Example Stack : Vacuum Bagged Wet-Layup



Specification

Property	Units	Value
Material	-	90% Polyester 10% Polyamide Non-woven
Width	mm	1520 (-0 +2%)
Format	-	Single Sheet
Maximum Use Temperature	°C	180
Areal Weight	g/cm ²	140
Appearance	-	White

Handling & Storage

BR180 is a stable polyester non-woven 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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