

AEROFILM™ VB200

200°C High Strength Vacuum Bagging Film

Description

VB200 is an aerospace-grade multilayer mono-nylon vacuum bagging film suitable for use at temperatures up to 200°C. It is recommended for more specialist high temperature/pressure applications including aerospace and those requiring a particularly high strength/high reliability bagging film (such as tool leak-testing).

Key Features

- 200°C service temperature
- Very high strength
- 100% nylon construction
- Multi-layer reliability

Typical Uses

- Autoclave-cured prepreg laminating
- High temperature applications (up to 200°C/400°F)
- High pressure applications

Multi-layer Reliability

VB200 uses multiple 100% PA (nylon) layers for maximum reliability. Multi-layer technology eliminates problems caused by imperfections, pin-holes or weaknesses in the film by combining layer after layer into a single, ultra-reliable film.

Lay Flat Tube Format

AeroFilm™ VB200 is supplied at 1.52m wide in a lay-flat tube (LFT) format this gives you two layers of film with either edge already sealed. Each linear metre supplied equals 3.04m².

Working with film in a lay flat tube format means that it's often possible to make use of one or both of the existing seams, reducing the amount of bagging tape required to seal your bags and speeding-up the bagging process. It also makes it possible to slit the bag down just one side and open it up to a very wide 3m width - ideal for large bagging projects.

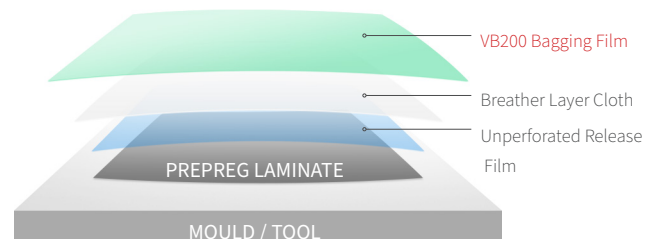
Handling & Storage

Nylon bagging films are hygroscopic and their behaviour and mechanical properties are affected by their moisture content; particularly the elasticity and softness of the film. Moisture content acts as a plasticiser - a low moisture content will result in a stiffer, less elastic film.

To preserve the performance of the film and ensure consistent behaviour, store unused film in a sealed bag and away from particularly dry conditions.

Recommended storage and use conditions are 65% relative humidity and 20°C/68°F workshop temperature.

Example Stack : Prepreg Laminating



Property	Unit	Method	Value
Material	-	-	100% Nylon
Width	mm	Internal	1524 (-0 +2%)
Format	-	-	Lay Flat Tube
Thickness	µm	ISO 4593	50 ± 10%
Maximum Use Temperature	°C	Internal	200
Density	g/cm³	Internal	1.13
Tensile Strength at Break MD	N/mm²	ASTM D882	90 ± 10%
Tensile Strength at Break TD	N/mm²	ASTM D882	85 ± 10%
Elongation at Break MD	%	ASTM D882	440 ± 10%
Elongation at Break TD	%	ASTM D882	450 ± 10%
Appearance	-	-	Green Translucent

Disclaimer

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Leaders in materials, equipment and training for advanced composites

Easy Composites Ltd
Unit 39, Park Hall Business Village
Stoke-on-Trent, ST3 5XA
United Kingdom

Easy Composites Ltd
Beneluxbaan 16
Rijen, 5121 DC
Netherlands

W: www.easycomposites.com
E: sales@easycomposites.com
T: +44 (0) 1782 454499

Version 2.0
Revised 11/10/2024

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