

AeroFilm™ R120-P3



Key Features

- Very cost-effective
- Service temperature up to 125°C
- Excellent release properties

Product Description

AeroFilm™ R120-P3 is a general purpose 'P3' perforated release film suitable for use at temperatures up to 120°C.

R120-PR is our recommended release film when vacuum bagging hand-layup laminates. The film offers excellent release from a wide range of resin systems including epoxy, polyester and vinylester. Its P3 perforations provide the ideal restriction to resin flow between the wet laminate and the breather/soaker layer, allowing surplus resin to be drawn out of the laminate without excessive bleed-off of the resin.

R120-P3 is equally suited to debulking prepreg laminates where it will prevent the breather layer from sticking to the uncured prepreg and then easily release from the laminate after debulking.

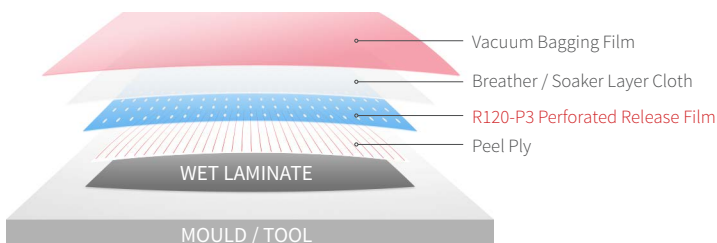
Recommended Uses

- Vacuum bagging wet layup laminates
- Debulking prepreps

Typical Use

Most commonly used when vacuum bagging a wet layup laminate, peel ply would be placed against the wet laminate, followed by the R120-P3 Perforated Release Film, followed by a breather/soaker layer (so absorb excess resin squeezed from the laminate), enclosed within vacuum bagging film.

Example Stack : Vacuum Bagged Wet-Layup



Specification

Property	Units	Method	Value
Material	-	-	Polyolefines and HDPE
Width	mm	Internal	1220 (-0 +10%)
Format	-	-	Single Sheet
Nominal Thickness	µm	ISO 4593	28 ± 10%
Maximum Use Temperature	°C	Internal	125
Tensile Strength at Break MD	N/mm ²	ASTM D882	45 ±10%
Tensile Strength at Break TD	N/mm ²	ASTM D882	35 ±XXX%
Elongation at Break MD	%	ASTM D882	500 ±XXX%
Elongation at Break TD	%	ASTM D882	800 ±XXX%
Appearance	-	-	Light Blue. Opaque.

Alternative Widths & Formats

This film is held in stock at the 1.22m width. Special widths (and formats) may be available for larger orders, subject to a minimum order quantity.

Handling & Storage

R120-P3 is a stable polyolefines/HDPE film 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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