

# AEROFILM™ R210

## Unperforated Prepreg Release Film



### Key Features

- 210°C service temperature
- 100% FEP construction
- Ultra-light 13 µm thickness
- Very conformable
- Excellent elongation

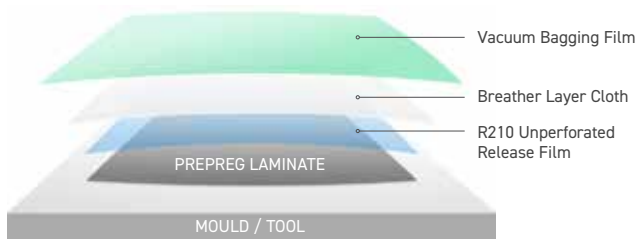
### Description

R210 is a high-stretch FEP release film without any perforations. It has a maximum service temperature of 210°C and is ultra-thin and conformable, providing a perfect release from a wide variety of resin systems making it an industry standard release film for prepreg lamination. It is also suitable for wrapping over any material to provide a reliable release barrier and can be stretched over wet laminate to produce a glossy finish in repair operations.

### Typical Uses

- Out-of-autoclave prepreg vacuum bagging
- Autoclave prepreg vacuum bagging
- High temperature applications (up to 210°C/410°F)
- Gloss finishing composite repairs

### Example Stack : High Temperature Prepreg Laminating



Unperforated Prepreg Release Film is typically applied directly onto the back of the prepreg laminate, covering the whole surface and acts as a thin, conformable, non-stick barrier between the laminate and the breather fabric.

### Specification

| Property                        | Unit  | Test Method | Value            |
|---------------------------------|-------|-------------|------------------|
| Material                        | -     | -           | 100% FEP         |
| Width                           | mm    | Internal    | 1530 (-0 +2%)    |
| Format                          | -     | -           | Single Sheet     |
| Nominal Thickness               | µm    | ISO 4593    | 13 ±10%          |
| Maximum use Temperature         | °C    | Internal    | 260 ±2           |
| Tensile Strength at Break MD/TD | N/mm² | ASTM D882   | 20               |
| Elongation at Break MD/TD       | %     | ASTM B882   | 280              |
| Appearance                      | -     | -           | Pink Translucent |

### Handling & Storage

Store in original packaging in standard warehouse conditions: ambient temperature between +5°C and +40°C relative humidity between 25-60% in a covered area protected from direct sunlight and UV/radiation sources.

### Disclaimer

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