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# **AIRTECH MR1/MR2**

## Ultra high temperature release films

## DESCRIPTION

MR release films can take temperature up to 315°C (600°F). These films have a high elongation and a good conformability. They work well with our high temperature sealant tapes. This film will provide a smooth surface after the cure. MR1 release film is offered in 25  $\mu$ m (0.001 inch) thickness and MR2 release film is offered in 50  $\mu$ m (0.002 inch) thickness. All standard perforations are available. Please see our perforation table in this section.

## BENEFITS

- Softness of film reduces wrinkle marks on parts, improving surface finish and reducing hand finishing.
- Excellent release from cured parts, film comes off easily and leaves a glossy finish.
- Good elongation reduces bridging in corners, resulting in less rework on resin rich corners.

### TECHNICAL DATA

Test method

Material type Fluoropolymer

Elongation at break 400 % ASTM D 882
Tensile strength 31 MPa (4496 psi) ASTM D 882
Maximum use temperature 315°C (600°F)

Materials to avoid Compatible with most resin systems

Colour Red/Blue

Storage Recommended storage temperature is 5°C to 40°C (41°F to 104°F). Store indoors in original packaging, do not stack rolls on end.

#### SIZES

Thickness	Width	Length	Weight/Roll	Forms Available <sup>*</sup>
25 μm (0.001 inch)	1.22 m (48 inches)	152 m (500 feet)	10 kg (22 lbs)	SHT
50 μm (0.002 inch)	1.22 m (48 inches)	77 m (252 feet)	10 kg (22 lbs)	SHT

<sup>•</sup> Custom shapes and sizes are available, please contact Airtech for more information.

#### SUSTAINABILITY

### NOTES

• The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Last updated: 2025-06-10 Catalog position: Release films

<sup>\*</sup> SHT = sheeting