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Data Sheet

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 µm (0.001 inch) thickness and MR2 release film is offered in 50 µm (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*
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

- Custom shapes and sizes are available, please contact Airtech for more information.

* SHT = sheeting

SUSTAINABILITY

Can be recycled

Recyclable packaging

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
Catalogue position : Release Films

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