

HTR-25 (Release film)



Product description

HTR-25 is a release film specially developed for high temperature applications. Temperature stability up to 315 °C. The film is based on a fluoropolymer film with certain anti-adhesive properties. This guarantees good release properties and compatibility with most resin systems. Moreover the film offers high elongation and good conformability. After resin cure the film provides a smooth surface. HTR-25 is of course free of silicone and other volatiles. It does not contaminate the surface of products/materials, which are in contact with the film.

Application

Pressing / processing of materials, which need very high temperatures up to 315 °C. For example prepreps with polyimide, cyanate ester, BT resins, but also PTFE skives. Ideally used together with our high temperature resistant press pad Thermo-H40.

Process parameter (hydraulic press)

Temperature: up to 315 °C (depending on time and pressure)
Pressure: 100 - 500 N/cm² (10 – 50 bar)

Material properties

		Test method
Thickness:	25 µm and 50 µm	
Surface weight:	55 g/m ² (thickness 25 µm)	
Use temperature max.	315 °C	
Tensile Strength (MD):	31 MPa	ASTM D 882
Elongation (MD):	400 %	ASTM D 882
Color:	blue	
Anti-adhesive properties:	both sides	

Storage & handling

Temperature: 15 – 25 °C
Humidity: 40 – 60 rh%
Storage: flat in original package until usage.
electrostatic discharge will be reduced, if stored as recommended

Availability

Thickness:	25 µm	50 µm
Rolls:	maximum width: 1220 mm	1220 mm
	maximum length: 152 m	77 m
Sheets:	size and punching according customer specification	

The typical values are based on data from production and from sample measurements in the lab. This data should be considered as general information. It is the responsibility of the user to ensure that the product complies with his requirements.

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