

TTF-25 (Release film)



Product description

TTF-25 is a fluorocarbon based polymer. It can be used as multi-purpose release film especially suitable for the PCB industry. TTF-25 is made of pure and sintered PTFE. The film combines excellent release properties with high elasticity and conformability. It is usable at very high temperatures and has a high chemical resistance.

Application

Release film for higher temperatures up to 260 °C.
Excellent usable for flex and flex rigid applications, because of high elongation.
Reasonable dimensional stability.
Excellent release properties against nearly all resin systems and various other materials.
Good protection for sensitive surfaces against residues ...
Suitable for press cycles with and without vacuum.
Compatible with conformable sheets, kraft paper, levelling materials, steel plates, copper foil ...

Process parameter (hydraulic press)

Temperature: up to 260 °C (depending on pressing time)
Pressure: 100 - 500 N/cm² (10 - 50 bar)

Material properties (25 µm)

Thickness:	25 µm
Density:	2.20 g/cm ³
Surface weight:	54 g/m ²
Hardness:	54 Shore D
Water absorption (24h):	< 0.01 %
Tensile Strength:	3900 psi
Tensile Modulus:	80000 psi
Tensile Elongation at Break:	300 %
Flammability rating:	UL94 V0
Color:	colourless, transparent

Storage & handling

Temperature: 15 - 25 °C
Humidity: 45 - 55 rh%
Storage: flat in original package until usage.

Availability

Thickness: 25 µm
further thicknesses (µm) available (50, 100, 200, 500 ...)
Rolls: maximum width: 1200 mm
maximum length: 1000 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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