

UTF-100 (Release film)

Product description

UTF-100 is an all-purpose release film especially suitable for PCB and HDI board production. UTF-100 is made of modified PET and combines good release properties with optimal elasticity and good conformability.

Application

Temperature resistant PET
Reduced distortion under pressing conditions
Good dimensional stability
Excellent release properties in general and against various resin systems
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 210 °C (depending on pressing time)
Pressure: 100 - 500 N/cm² (10 – 50 bar)

Material properties

Thickness: 25 µm
Density: 1.38 g/cm³
Surface weight: 39 g/m²
Tensile Strength: 172 N/mm² (MD) / 206 N/mm² (TD)
Elongation: 90 % (MD) / 60 % (TD)
Shrinkage at 190 °C (10 min.): 2.8 % (MD) / 0.5 % (TD)
Color: translucent

Storage & handling

Temperature: 15 – 25 °C
Humidity: 45 – 55 rh%
Storage: flat in original package until usage.
electrostatic discharge will be reduced, if stored as recommended

Availability

Thickness: 25 µm
Rolls: maximum width: 1360 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.

18.04.2016(3) / 23.04.2014