

RELEASE FILM ECO 38

ECO38 – Release Film is a very economical solution to be used in all different types of lamination processes. The maximum laminating temperature is 200°C.

ECO38– Release Film is an inert or non reactive material and leaves no residues on the PCB –surfaces. Excellent functional and

dimensional properties under common thermal conditions and high pressure guarantees a very easy release.

Typical usage: FPC, Rigid-Flex PCB, HDI and CCL lamination

PROPERTIES

| | | |
|---|--|--------------------------|
| Thermal usage in the hot press | max. 200 °C (392 °F) for 90min. | |
| Melting point | 250 °C ± 10 °C | |
| Density | 1.400 gcm ⁻³ | ASTM-D1505 |
| Tensile strength | MD ≥ 210 Nmm ⁻² TD ≥ 210 Nmm ⁻² | ASTM D882A ASTM D882A |
| Elongation at break (v= 50mm/min ⁻¹) | MD ≥ 110 % TD ≥ 110 % | ASTM D882A ASTM D882A |
| Heat shrinkage (150°C / 30min.) | MD ≤ 1.5 % TD ≤ 0 % | ASTM D1204 ASTM D1204 |
| Coefficient of friction (static) Coefficient of friction (dynamic) | 0.26 0.13 | ASTM D1894 ASTM D1894 |
| Decomposition temperature | > 270 °C | |
| Moisture absorption | < 0.9 % at common room conditions | |
| Appearance | white | |
| Haze | 75% | ASTM-D1003 |
| Surface | Matt - both sides, Ra < 4,3 µm | |
| Storage Life | > 1 year at room temperature | |
| Thickness | 25, 38, 50 µm – 1.0, 1.5, 2.0 mm | |
| Length of film | 1067 / 1000 / 500 m | |
| Roll widths | 660, 680, 991, 1295 mm | |

Subject to changes due to technical improvements without prior notice.

Other dimensions on request.