

Lamination Accessories

Release Film ACC-5-50

Product Description

Release film plays an integral role in the lamination of Printed Circuit Boards. ACC-5 release film was developed to address the needs of this demanding process and provide the user with a functionally superior product that is environmentally safe.

Below are the major features and benefits of ACC-5 release film. These advantages clearly make ACC-5 "The Ultimate Release Film".

- **Excellent release properties**
ACC-5 can be used against surfaces made of copper, aluminium, stainless steel, prepreg (both cured and "B" staged) and oxidized surfaces. Releases easily and cleanly from the above materials.
- **Static-free**
Dirt and dust will not adhere to film surface. Assures clean and uniform lamination without static cling.
- **Easy Handling**
- **Odourless**
No offensive or hazardous gases emitted, potentially endangering health of employees.
- **Dimensionally stable**
Only slight shrinkage, assuring stable laminate package. Reduces wrinkling of copper foil.
- **Remains flexible**
Will not embrittle, even at temperatures above 200 °C. Assures consistent and uniform heat transfer and re-release.
- **Excellent Formability**
With ACC-5 the coverlay fully conforms to the flex circuit, prevents air entrapments, adhesive flow and delamination. Smear and scum free; eliminates contamination of plates, reducing unnecessary down-time for cleaning.
- **ACC-5 has no surface coating and is free of silicone.**
- **Environmentally safe**
ACC-5 can be incinerated or disposed in landfill. No hazardous gases emitted.

Technical Data

Description	Unit	Test Method	Values
Nominal thickness	µm		40 / 50
Volatile components	ppm	# 1	100
Tensile strength (23°)	Mpa	JIS K7127	MD 51 TD 53
Elongation at break (23°)	%	JIS K7127	MD 700 TD 720
Tear strength (23°)	kN/m	JIS K7128-3	MD 170 TD 170
Dimensional change (170°C)	%	# 2	MD -0,9 TD -0,9
Melting point	°C	JIS K7127	223
Blocking	gf/cm	ASTM D1893	1,6
Specific gravity	g/cm³		1,31

Availability

Standard rolls: 660 mm x ... m

Other widths on request

Punched and un-punched panels on request

General safety information

- Only use the product for applications described in the product data sheet
- The product is intended for industrial use only
- The product is not suitable for food industry
- The product must not be eaten
- In case of fire noxious fumes or smoke can be generated

The above statements are based on our present knowledge. Our statements should not be interpreted as a guarantee of characteristics. The use of our products by our customers is subject to different conditions, therefore none of our customers are relieved of the responsibility of testing our products by themselves. A liability for consequential damage will not be accepted in any case. For damage resulting from the use of this information we can only be held responsible if there is evidence of malice or negligence on our part. This data sheet replaces any previous data sheets.