

Conformal Molding Sheet ACC-25

Version: A1

Lamination Accessories

Product Description

ACC-25 is a clear plastic foil which is used to equalize minor differences in heights during lamination especially when producing flexible and rigid-flexible circuits.

ACC-25 was designed especially with regard to a well-defined flow at certain temperatures.

ACC-25 gets soft at approx. 100°C and conforms to the contours of the circuit but without getting soft enough to flow away.

ACC-25 prevents too high pressure at higher spots and too low and/or no pressure at all at lower spots during the lamination of rigid-flex circuits.

When laminating coverlay on a circuit ACC-25 forces the coverlay to conform to the contours of the circuits very tightly, permitting the production of delamination-proof circuits even with low adhesive coverlays.

When laminating thin heat sinks on circuits the pressure because can often be calculated based on the total panel area ACC-25 provides even pressure all over the entire surface. Otherwise, it would be necessary to complicate calculate the area of the heat sinks in order to find the correct pressure for lamination.

Sometimes ACC-25 is also used to prevent adhesive flow with punched or drilled coverlays. As ACC-25 gets soft earlier than most of the common adhesives it is being pressed into the coverlay blanks preventing the flow of the adhesive into these blanks.

Processing

With standard lamination cycle, 45 - 60 min, at 160 to 175 °C, approx. 15 bar. Often there is one sheet of ACC-8 or ACC-3 used between the circuit and ACC-25 in order to prevent sticking of ACC-25 on the surface or ACC-25 getting into the holes. ACC-8 and ACC-3 also have an additional press pad effect.

It is possible and sometimes advisable to have several ACC-25 foils in order to have a better conformal molding effect when higher differences in thickness are encountered. ACC-25 is for single use.

Availability

ACC-25 is available from stock in thickness of 0.3 mm.

Roll Sizes	
	650 mm x 60 m
	1300 mm x 30 m

Cutting & Punching

ACC-25 can be supplied in any size either with or without registration holes. Both services (cutting and punching) can be offered with competitive prices and short delivery times.

Recommendation

ACC-25 conformal molding sheets were designed for use in combination with VENTEC release films which provide best lamination results in this combination.

Disclaimer: The information and data contained in this technical literature is based on data and knowledge correct at the time of publishing/printing and is believed to be accurate and is offered in good faith for the benefit of the user. The user should make his own tests to verify the suitability of this product for any application before its use. All data are typical values only and subject to change without notice.

CORPORATE HEADQUARTERS

Ventec Electronics Co. Ltd.
308 TaiShan Rd,
New District Suzhou,
Jiangsu, P.R. China 215129
T: +86 512-68091810
Email: sales@ventec.com.cn

EMEA REGIONAL HEADQUARTERS

Ventec Europe
Unit 1 Trojan Business Centre,
Tachbrook Park Estate,
Leamington-Spa, CV34 6RH, UK
T: +44 1926-889822
Email: sales@ventec-europe.com

CENTRAL EUROPEAN OFFICE

Ventec Central Europe GmbH
Morschheimerstrasse 15,
67292 Kirchheimbolanden,
Germany
T: +49 6352 753260
Email: salesdel@ventec-europe.com

Conformal Molding Sheet ACC-25

Version: A1

Lamination Accessories

Product Description

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

Danger

Dust generation, do not inhale dust, comply with general dust limit value TRGS 553

Do not inhale fumes or smoke created during processing or by fire

Protection Methods

Dust extraction or dust protection mask

Extinguishing Agent

Foam, powder, CO₂

Environment

Comply with limit value for respirable dust

Dispose of waste safely

CORPORATE HEADQUARTERS

Ventec Electronics Co. Ltd.

308 TaiShan Rd,
New District Suzhou,
Jiangsu, P.R. China 215129

T: +86 512-68091810

Email: sales@ventec.com.cn

EMEA REGIONAL HEADQUARTERS

Ventec Europe

Unit 1 Trojan Business Centre,
Tachbrook Park Estate,
Leamington-Spa, CV34 6RH, UK

T: +44 1926-889822

Email: sales@ventec-europe.com

CENTRAL EUROPEAN OFFICE

Ventec Central Europe GmbH

Morschheimerstrasse 15,
67292 Kirchheimbolanden,
Germany

T: +49 6352 753260

Email: salesde@ventec-europe.com

www.ventec laminates.com