



**ventec**

INTERNATIONAL GROUP

騰輝電子

PCB CONSUMABLES



---

**RELEASE FILM**

**FOR LAMINATION OF  
RIGID MULTILAYER AND  
FLEXIBLE CIRCUITS**

---

**MATERIAL DATASHEET**

# INTRODUCTION

**RF is a high temperature-resistant Release Film specifically engineered for laminating rigid, flexible and exotic substrate Printed Circuit Boards. It is manufactured under a patented process, with stringent quality controls.**

## PRODUCT CHARACTERISTICS

- Easy, contaminant-free release from resins and separator plates. Operating temperatures up to 260°C
- Smooth surface finish, with superior conformal properties.
- Free of embedded impurities.
- Extremely low X-Y axis shrinkage and reduced static potential.
- Essentially inert: no out-gassing, no plate residue, no interlaminar adhesion influence, no vacuum system contamination.
- Environmentally friendly: no Ozone Depleting Chemicals, no Fluorine's. Available in custom-sized tooled sheets and rolls shipped.

## TECHNICAL DATA

Type	NTRF	HTRF	UHRF
MOT °C	185°C	210°C	260°C
Release force	10-30g	5-15g	5-15g
Composition	Coated PET	Coated PET	Coated Al

## STORAGE & HANDLING

Our Release Film is a hydrophilic, or water-sensitive, material. Moisture and water act as plasticizers. The higher the moisture content of the film the more flexible and rubbery it behaves. The lower the moisture content the stiffer and tougher it behaves. In vacuum bag molding, especially when making articles with deep draws, a bag material which can be readily drawn or stretched is required. The level of moisture content in our Release Film at time of use is therefore an important criterion for successful performance. When shipped, our Release Film is preconditioned to a moisture level which provides optimum handling characteristics at time of use. In order to preserve these optimum characteristics it is recommended that the film, after being removed from the shipping container, be either placed in a protective box or covered with the polyethylene wrap in which it is shipped. Dry environments (common in winter) tend to dehydrate materials such as our Release Film.

Version: 01/04/2019