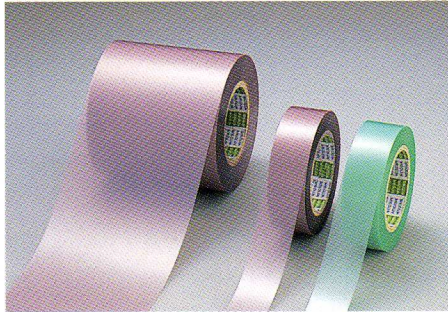


REVALPHA

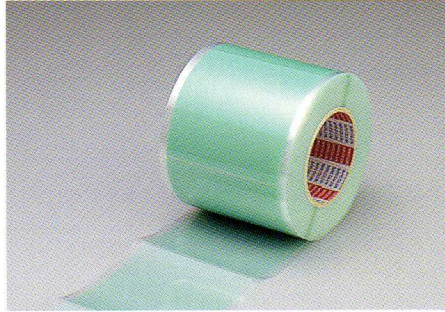
Thermal Release Tape

Adheres firmly and peels off easily when heated.

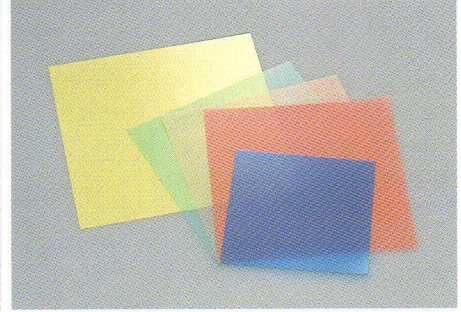
REVALPHA is a unique thermal release tape that behaves like normal adhesive tape at room temperature but can be easily peeled off by simply heating when you want to peel the tape off. If used for temporary fixing of components in the manufacturing process of various types of electronic components, by heating at a certain temperature, adhesive strength is reliably reduced so the tape can be easily peeled without damaging the substrate to which it is applied. This product has made a significant contribution to increased automation for the establishment of labor-saving processes.



Roll
Rolled shape.



Labeler
Labeler type wound on a carrier sheet at a certain pitch.



Sheet
Sheets punched out to desired size.

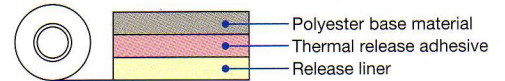
Specification and color

Substrate: PET film

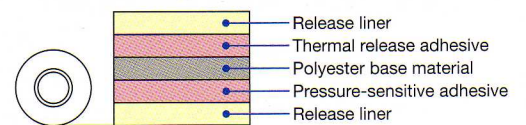
Thermal release temperature (°C)	Double-coated type / Single-coated type	Adhesive strength (N/20mm)				
		2.5	3.7	4.8	5.5	7.3
90	No.3198	No.3195	No.319Y-4L	No.319Y-4LS	No.319Y-4LSC	
	No.3198 LS	No.3196				
120	No.3198 M	No.3195 M	No.319Y-4M	No.31935M	No.3193 M	
	No.3198 MS	No.3195 MS	No.319Y-4MS	No.31935MS	No.3193 MS	
150	No.3198 H	No.3195 H	No.319Y-4H			
		No.3195 HS	No.319Y-4HS	No.31935HS		
170		No.3195 V				
		No.3195 VS				

Structure

Single-coated type

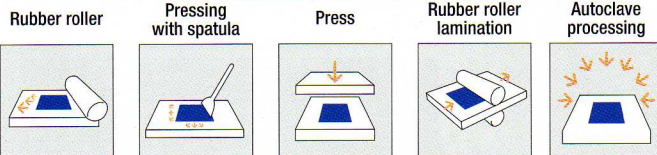


Double-coated type



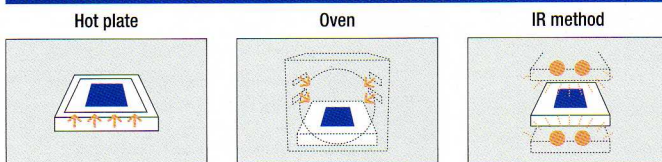
In order to have "adhesion and peeling" REVALPHA primary function

Application method



In order to use the adhesive maintaining function of REVALPHA, it is important to apply it to the substrate without containing air and then apply firm pressure. After temporarily applying REVALPHA to the substrate, put pressure on the REVALPHA side with a rubber roller or spatula, laminate with a press or rubber roller and then provide autoclave processing according to type of substrate and usage conditions.

Peeling method by heat



REVALPHA can be heated with a hot plate, oven or IR method. When using IR method for heating, partial peeling is possible by masking. Sufficient ventilation is necessary.

Consideration of heating conditions

When thermal release temperature is reached, particles expand in the thermal release adhesive layer and the tape is released. Proper heating conditions vary according to heating method, material/size of substrate to which REVALPHA is applied, so it is necessary to consider the optimal conditions.

In order to have REVALPHA's peeling characteristics sufficiently, it is effective to raise the temperature of the thermal release adhesive layer in the shortest time possible, and stop heating as soon as expanding occurs. Excessive heating and extended exposure to high temperature can cause rebonding. REVALPHA may not separate depending on the material and surface of the substrate to which it is applied. This should be investigated before using REVALPHA.

Features of REVALPHA

- REVALPHA prevents deviation and enhances processing precision. Because it secures the substrate during processing.
- Because it can be used as long tape, it enables continuous manufacturing process. Because it separates instantaneously upon heating, it contributes largely to enhancing productivity and labour saving.
- If wax or adhesive is used, after peeling, the object must be washed with solvent, etc., to remove it. REVALPHA offers a dry process that doesn't require washing. The dry process minimizes impurities and environment pollution.
- Because it separates naturally without applying force, it contributes to better yield without damaging the work.

Precautions when using REVALPHA

- REVALPHA is easily affected by heat, so take the necessary precautions when storing.
 - Do not store where the temperature may reach 60°C or more. If the temperature exceeds, the product may become unavailable for applications.
 - If storing for an extended period of time (1 month or more), REVALPHA should be kept in cool, dark place where the temperature does not exceed 40°C.
- When REVALPHA is bound to a substrate and heated, it may become impossible to peel off with the following specific conditions. Examples: 80°C × 1 hr, 40°C × 8 hrs
- The adhesive strength of REVALPHA may differ according to surface and composition of the substrate. Please take thorough considerations before usage.