

*Anti-corrosive packing materials*  
*Heated dip type strippable plastic*

# SEAL PEEL COMPOUND



Product by Daikyo chemical CO, LTD

**SEAL PEEL COMPOUND** is strippable plastic produced by mixing various kinds of chemicals, oils and fats with synthetic resin and adjusting them and the product is solid.

When it is used, it is heated and melted. The object article is dipped into melted seal peel compound to form a film.

It is a perfect epoch – making anti – corrosive packing material which perfectly fulfills two major purpose (Preservation and Packing) for the product in place of conventional three - step packing using oils , paper and cardboard box (or wooden box).



Almost all demand for **seal peel compound** in Japan was met by imported goods. But, as a result of our incessant research and study, our new product passed the strict performance test specified in the u.s. packing standard MIL – P – 149A Type 1.

We started to manufacture products which surpass the international level for the first time as home products.

Our products are generally admitted to be the best seal peel compound in all respects of quality , production technique and equipment.

## Special Features

Seal Peel is solid strippable plastic and has two kinds; perfect transparent and semi – transparent.

The product is melted in a tank, heating and constant temperature bath. If an article to be packed is dipped into such melted liquid and taken out immediately, films are simply formed as the original form and perfect packing is completed.

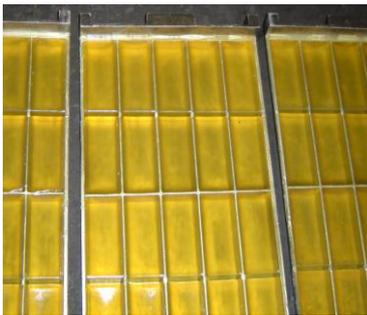
The Seal Peel processed article can sufficiently resist against rust, erosion mold, green rust moisture, oxidation, damage, water penetration, sulfur mist , wear , impact, sea breeze and brine, etc., and has a high electrical insulation. Besides, it will not be damaged even if it is roughly handled because the films are elastic. Moreover, as the films are transparent and the article can be seen through, it is not necessary to unpack before use or to strip films so as to investigate components stored or preserved.

When the article is used , the films can be as simply stripped as a banana skin is peeled. As compared with conventional packing, the sealpeel has saving in labour and time reduction of space and weight for transportation and many other advantages.

## Kind

To meet various applications , it is available in five kinds;

- (1) SD-3A (Brown color , perfect transparent )
- (2) SP-25 (Brown color, semi- transparent )  
MIL-P-149A, Type 1, Standard product
- (3) ED-7 (Light brown color, semi-transparent )
- (4) AR-1 (Light blue color, perfect transparent )
- (5) Seal Mask (White color, opacity ) especially for plating



SD-3A



ED-7



SP-25



AR-1



seal mask

## How to use

( perfect anti - corrosive packing material which can be immediately packed and stripped.)

### 1. Melting

First, put Seal Peel cut into pieces in a melting tank, in which indirect heating can be done . As Seal Peel is very slow in heat conduction, melt it while gradually raising the temperature. Gradually raise the melting temperature, from 100°C for 30 minutes, to 130°C for 30 minutes and then to 180°C.

If the temperature is rapidly raised, the Seal Peel is deteriorated and aged, and loses the effect by half.

Carefully keep the temperature in the tank under 200°C.

It is ideal to equip the tank with a thermostat so as to keep within the specified temperature limit.

The thermostat always keeps the fixed temperature to enable continuous film forming with a fixed thickness.

## 2. How to dip

Clean the surface of the packed article (remove oil and dirt), dip it into the solution in the tank and immediately take it out.

The article is packed with 0.8 to 2 mm thick compound film within the specified time (1 to 2 minutes) and the hardened film is adheres in 30 to 40 seconds. (An article with holes or clearance is preferably wrapped with aluminum foil before dipping.)



Dipping Operation



Peeled State

## 3. Cautions.

1. The surface of the packed article shall be cleaned.
2. Dipping time depends more or less on the size.
3. If abnormal white smoke is emitted from Seal Peel liquid, it means that the temperature exceeds the specified limit. Immediately adjust the heating article.
4. Do not dip any heated article.
5. Do not rapidly melt it is at a high temperature.
6. Dehumidify any porous article or any damp article before dipping.
7. When bubbles generate from the dipped article, change the dipping angle.
8. When bubbles are seen in the melted liquid, heated it for a while until bubbles disappear.

## Performance

### Seal peel compound “Hot”

#### General performance

Transparency	perfect transparent — semi — transparent
Specific gravity	1.13 ( very light 1.0 to 1.15 )
Elongation	70 to 150%
Tensile strength	18.0 kg/c m <sup>2</sup> to 38.0kg/c m <sup>2</sup>

#### Heat—resistance

Melting point	120°C to 130°C
Heating limit	200°C
Ignition point	280°C
Operating temperature	160°C to 190°C
Heat conductivity	0.00017 (500 g ; about 70 c m <sup>2</sup> of 1.0 mm thick compound )

#### Chemical characteristic

chemical resistance (acid, alkali and alcohol )	Not affected
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#### Grease and oil resistance

Organic solvent (thinner)	Not affected
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Dielectric strength ( for 0.8mm thickness )	Dissolved Endures 2.300 V AC and DC.
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Pressure resistance ( for 0.8 mm thickness )	Endures 250kg/c m <sup>2</sup>
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## Features

1. Use by heating .
2. Excellent chemical resistance.
3. Excellent water proofness and salt water resistance.
4. Excellent elasticity.
5. Thick film forming by one dipping process.
6. Excellent corrosion preventive property.
7. Intoxic.

## Effects

1. Reduced packing cost.
2. Easy removal and immediate use.
3. Perfect anti—corrosion because of oozing oil.
4. Reduction in weight.
5. Prevention of defective packing ( for export )
6. Capability of repeated use.
7. No other packing materials required.

8. Easy inspection.
9. Easy operation.
10. Quick operation.
11. Reduced packed size.
12. Dimensions number , etc. visible from outside.
13. Protection from damage and wear during transportation.
14. No strain from heating.
15. Convenience for storage of goods.

## Applications

1. Corrosion prevention and protection from damage.  
Corrosion prevention of components tools, jigs of vehicles, air—crafts looms automobiles as well as other general machine components.  
Protection of various metal components , polished metal surfaces, plated surface , gears, cutters, hobs, nozzles plunger drills , dies, reamer taps , instruments, gauges , slide calipers, micro meter bits and diamonds tools.
2. Insulation  
Insulation and protection of electronic components.
3. Plating  
It is used in finishing of plating because of its insulating.
4. Moisture—proof  
Machinery and equipment of various kings which are likely to be damaged by sea water and sea breeze.
5. Storage of components .  
Perfect storage of various goods and components.  
Seal Peel is most suitable for export packing.

## Our Main Products

### Special compound resin film material

SEAL PEEL COMPOUND      Various kinds  
 PLASTI COAT # 100      (Strippable solvent type )  
 RUBBER COAT              (Strippable solvent type )  
 PLASTI COAT #1000      (Airtight solvent type )

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