



# TERAOKA SEISAKUSHO INDONESIA PRODUCT KNOWLEDGE



*CONFIDENTIAL*



2023年2月27日~3月3日

TERAOKA SEISAKUSHO Co. Ltd.



# About TERAOKA

## 1. Corporate Outline

Founded

February 11, 1921

number of employees

700 people (consolidated), 517 people (single) (As of March 31, 2022)

Business content

Manufacture, processing and sale of various adhesive tapes



# 1. History



March 2011	<b>PT TERAOKA SEISAKUSHO INDONESIA</b> established
May 2012	Equipment completed
June 2012	Trial Operation Started
Sept 2012	Started shipping film <b>adhesive tapes for electronic</b> components (for China))
Oct 2012	Started shipping of <b>Packing Cloth</b> adhesive tape
Jan 2013	Started shipping of film adhesive tape for electronic parts (for Japan)
Aug 2013	<b>PECT</b> tape shipment started
April 2014	2 Shift Operation Started
Jun 2014	Started shipping double-sided tape for electronic components
Aug 2014	Start of 3 Shift Operations for Some Processes
Feb 2015	Shrink Packaging and Non-Pillow Packaging Shipment Started
Oct 2016	Started Shipping Adhesive Tape for Masking
Sept 2017	<b>Olive Tape and New Olive Tape</b> shipment started
Nov 2020	<b>Double Foam Tape</b> shipment started
Sep 2021	Economic Cloth Tape <b>[MOT]</b> shipment started
Nov 2021	Film Masking Tape <b>[MTF 6070A]</b> shipment started





# 1. Global Network





# 1. Type of Tape

	Cloth Tape	P-CUT Tape	OPP Tape	Kraft Tape
Load capacity	Heavy	Light	Medium	Medium
Strength	◎	○	○	○
water resistant	◎	○	◎	△
Workability	◎	◎	△	△
Writable	Yes	Yes	Yes	Yes
Cost	▲	▲	◎	◎

Rating Level:

◎ Best

○

▲

△

X Worse

# 1. Cloth Tape Solid Product

## Comparison points

### ① Comparison by **Thickness**

→ As the thickness increases, touch area with the rough surface improves. Easy to handle **heavy packaging**

### ② Comparison with **adhesive**

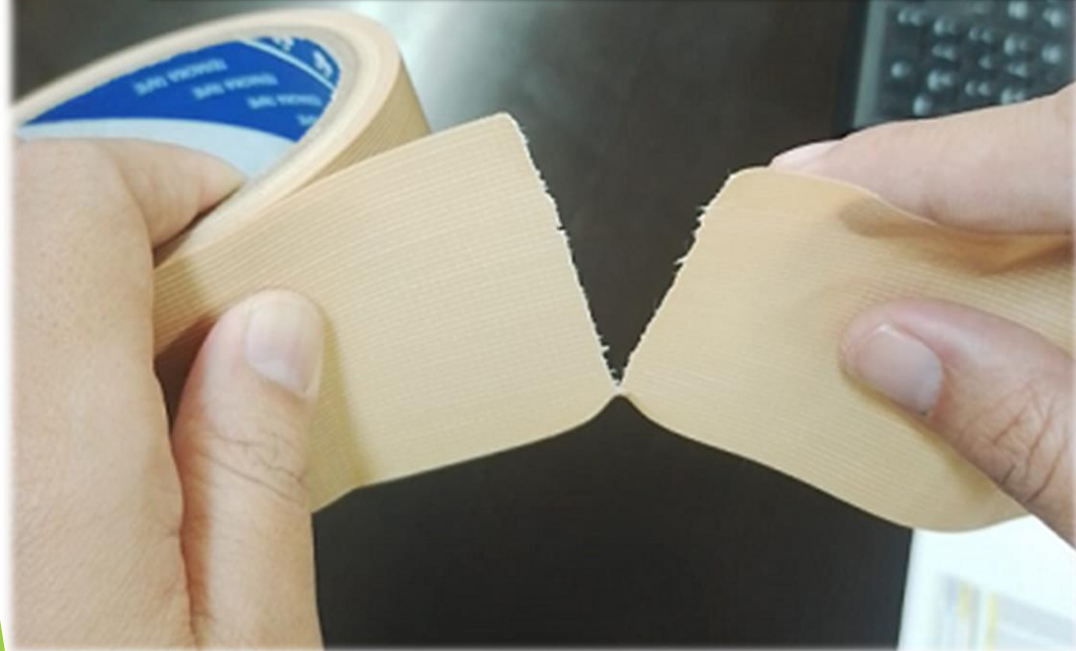
→ Rubber type has **stable performance** even at low temperature.

### ③ Comparison by the **quality** of the support

→ Cloth based, the better **hand-cutting property**.



# Cloth Tape ; Use Applications Olive Tape



Easy to cut/tear by Hand  
Good Workability



# Cloth Tape Use Applications Olive Tape



Thick, not easy to fold  
[Variation=0.13~0.31 mm]

Automatic Packing



# 1. Use Applications Olive Tape

Have color variation for visual artistic and differentiate by Color



## 2. PECT - Masking Tape

Polyethylene

Cloth Tape

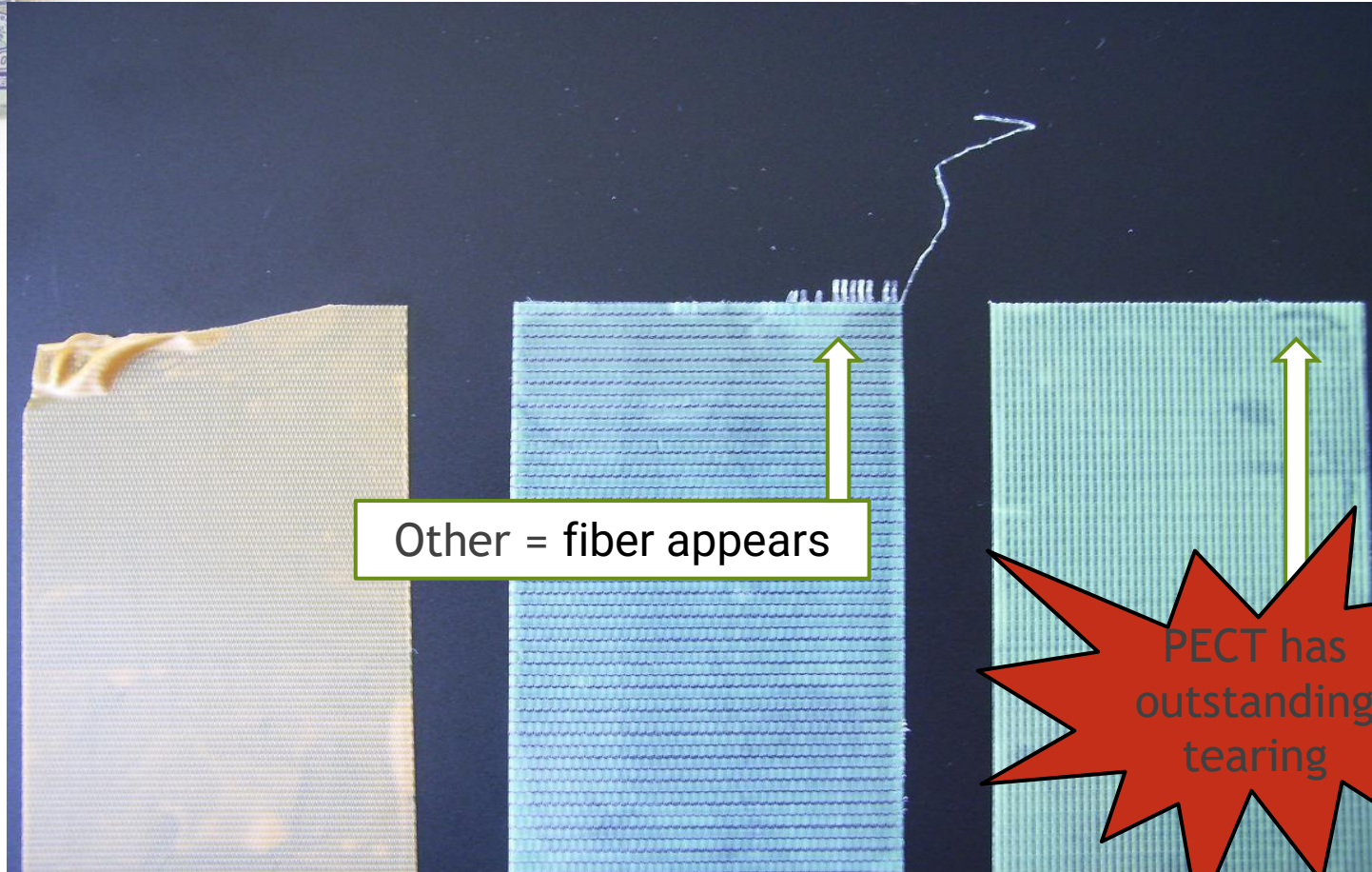


# PECT - Masking Tape

## Polyethylene Cloth Tape



Other = bad tearing





# Use Applications PECT – Masking Tape

Interior Masking

養生用(室内)  
Indoor masking.

Moving

養生用(室内)  
Indoor masking.

Steel Frame Masking

養生用(屋外、鉄骨用)  
Used in construction

Ship building

Road Repair/reinforcement

New Field

Unique Use

Exterior Masking

Railway

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手で切り易く、またテープの切断面もきれいです。  
Easy to cut by hand. Achieving a smoother tape cut line.

はがす際にテープが切れにくい  
When peeling off, tape is hard to be cut.

長時間貼り付け後の糊残りがほとんどない。  
Less adhesive residue after pasting for long times.

# Exterior Masking



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# Steel Frame Masking



If the area is large Cover with a Film Sheet Fix the edge with tape



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# Ship Building



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# Road/Railway



Bolt  
masking



PECT [wide]

# Exterior Masking

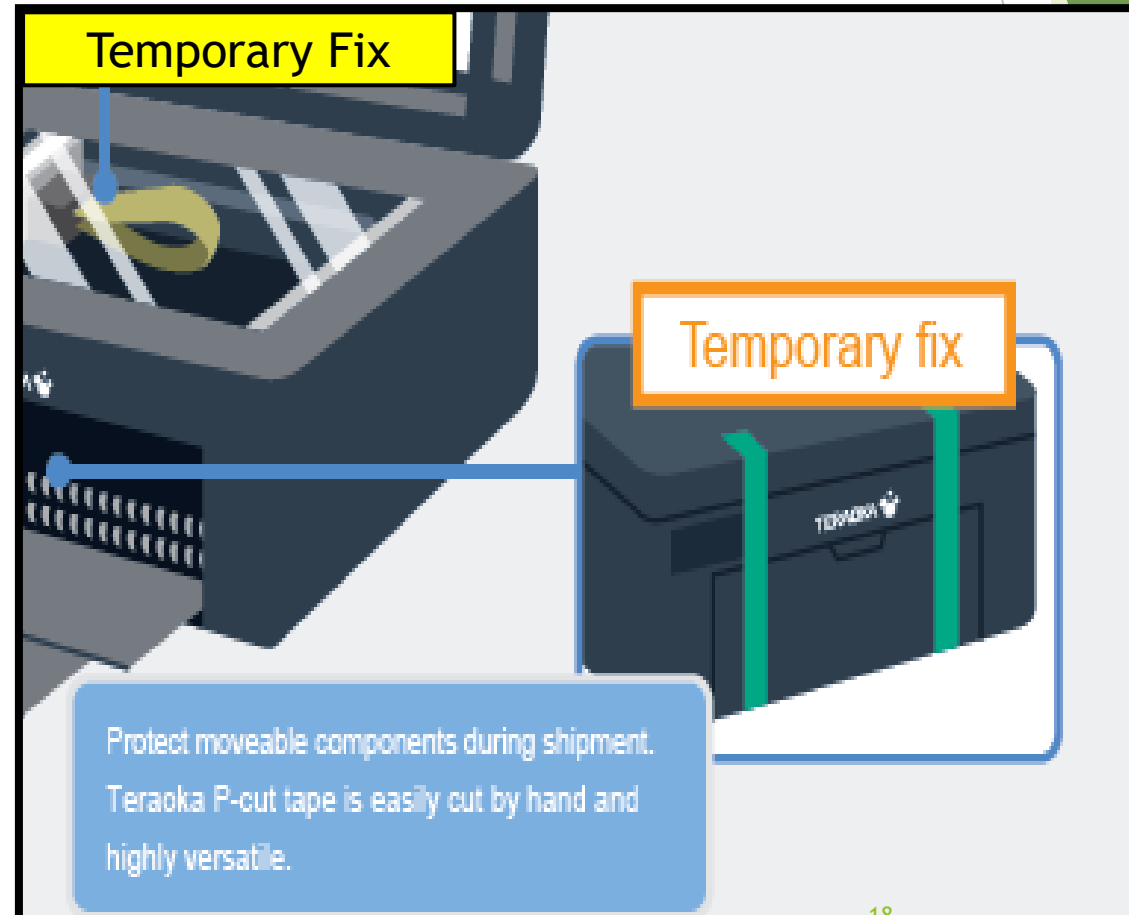


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# New Usage



## Holding Tape



# New Usage

Protecting window glass



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# New Usage



## Scattering Prevention

Curve mirror



Back Side



Window Glass



# 3. Line Tape



## Line Tape



### 3. Line Tape

No 365. Polyolefin Film Tape



A PVC-free marking line tape that uses environmentally friendly olefin-based film.

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No 145T. Safety Marking Cloth Tape



Good workability  
Can be easily cut by hand

# Use Applications Line tape

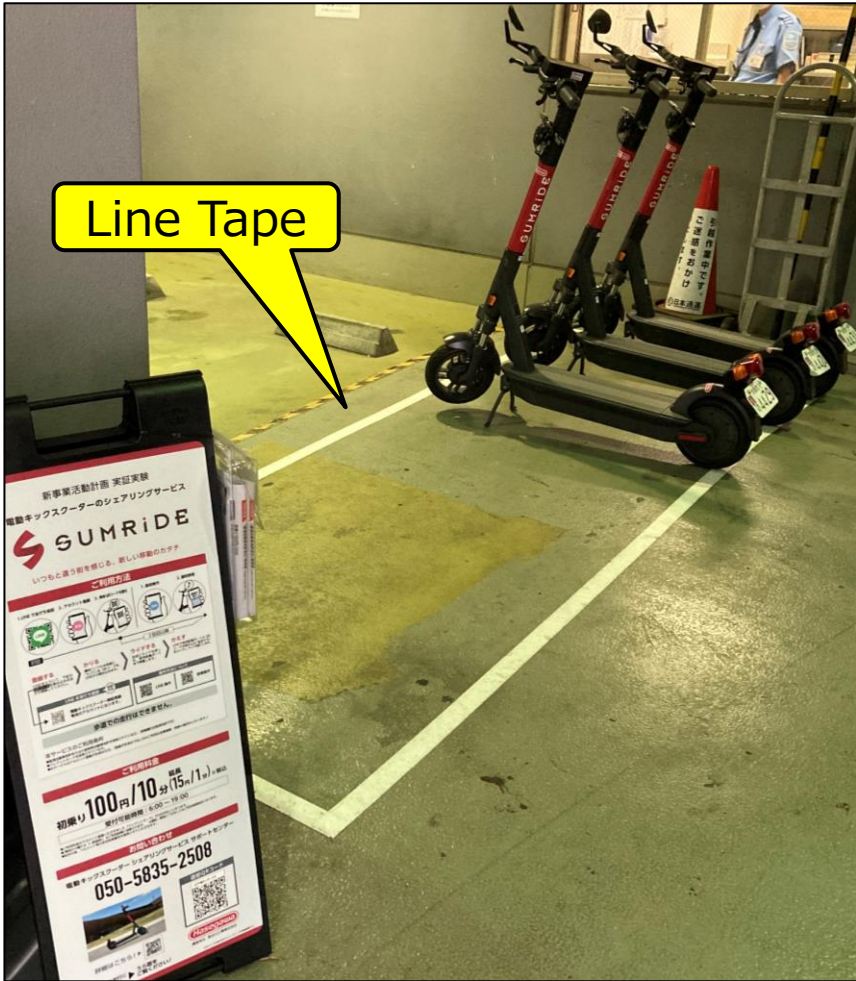


For Indoor marking



# 3. Use Applications Line tape

For Outdoor Marking



Line Tape



Parking Area

# Use Applications Line tape



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# 4. New Product

## New Product



No.	Keyword	No Product	Concept / Features
(1)	New Cloth tape	Multi Olive tape No.1539	New multipurpose cloth tape product (Lightweight, high base material strength compared to the same price range)
(2)	Strong adhesive / waterproof / buffer	Special PO FOAM double tape No.7816P	Firmly fixed with strong FOAM (Monitor / mobility interior / exterior parts / electronic parts waterproof)
(3)	Masking	MTF 6070A	Stable adhesive strength after heating. Transparent.
(4)	Surface Protection	PSPE 9491	Tape for Surface protection with no adhesive residue
(5)	Heat & electrolyte resistant	PIT 666	-Adapting for High voltage and large capacity of battery - High temperature/electrolyte dipping masking

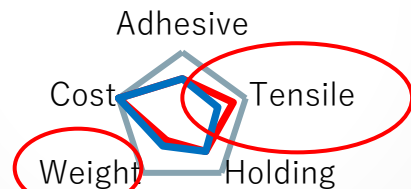
# 4-(1).Multi Olive Tape(Cloth) No.1539

Name : Multi Olive Tape

- Thickness : 0.13mm
- Adh Strength : 8.5N/25mm
- Tensile : 124N/25mm
- Weight : 230g/Roll

Comparison with current  
equivalent products

— 1539 — Other cheap products



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*Slim and Light !  
Excellent hand cut!can be  
Stick Firmly!!  
New generation Cloth Tape*

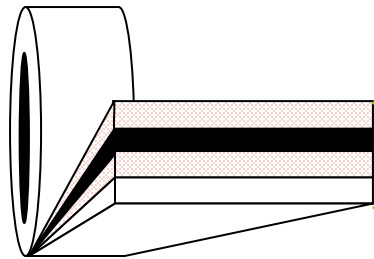


※New  
Black Matte

Cream

※New  
White Matte

# 4-(2).Strong Adhesive・Water Proof・Buffer Double Tape WST No.7816P



特殊アクリル系粘着剤 New acrylic based adhesive

特殊フォーム Special foam

特殊アクリル系粘着剤 New acrylic based adhesive

セパレーター Release liner

## ■ 粘着剤・基材が変形しにくいいため、剥離抵抗力・耐衝撃性に優れる

Excellent in “Peeling resistance” and “Shock resistance”

because of hardly deformable property of the adhesive and the backing

## ■ 特殊粘着剤と特殊基材を使用。防水性・耐薬品性に優れる

Excellent in “Water Proof” and “Chemical resistance” because of the special adhesive and backing

※Thickness

0.15、0.20、0.25、0.30、0.40、

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# 4-(2). 7816P Application

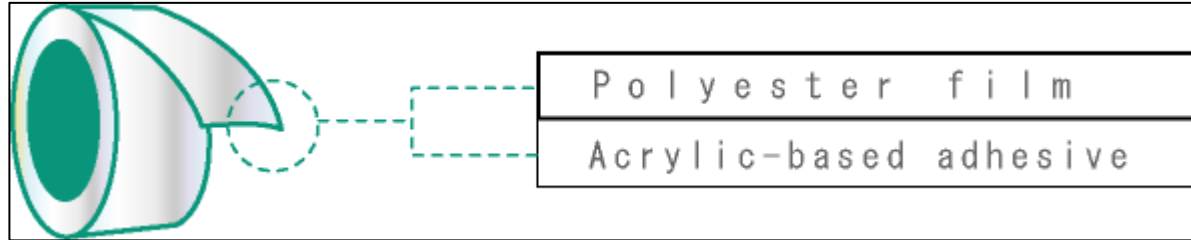


PHONE/TAB WATERPROOF FIXING



COCKPIT VIBRATION CUSHION [A/V, PANELS]

# 4-(3).Film Masking Tape MTF No.6070A



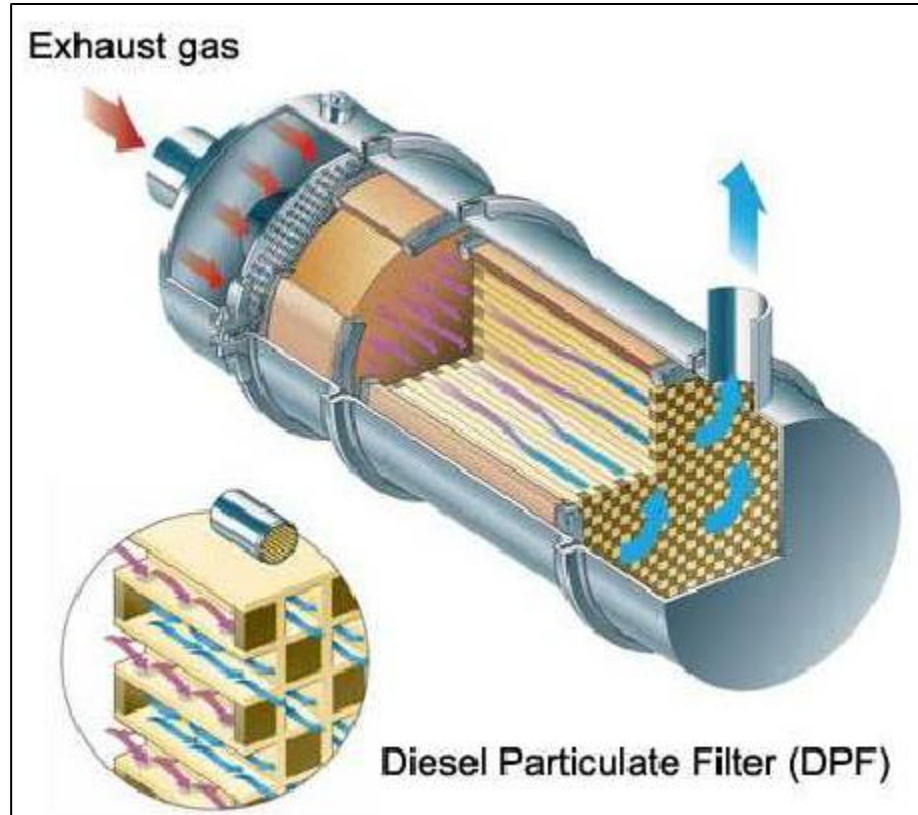
Customize Width & Length  
As Requested

- 加熱後の粘着力の上昇が少ないフィルムマスキングテープです  
Film masking tape with little increase in adhesive strength after heating [Stable]

FEATURE	USAGE
<ul style="list-style-type: none"> <li>☆ Adhesive strength stable even after heat process.</li> <li>☆ Thin type (0.036mm thickness)</li> </ul>	<ul style="list-style-type: none"> <li>☆ For protecting during the conveyance of the process</li> <li>☆ Provisional fixation</li> <li>☆ Heat resistant masking</li> </ul>



# 4-(3).MTF 6070A Application



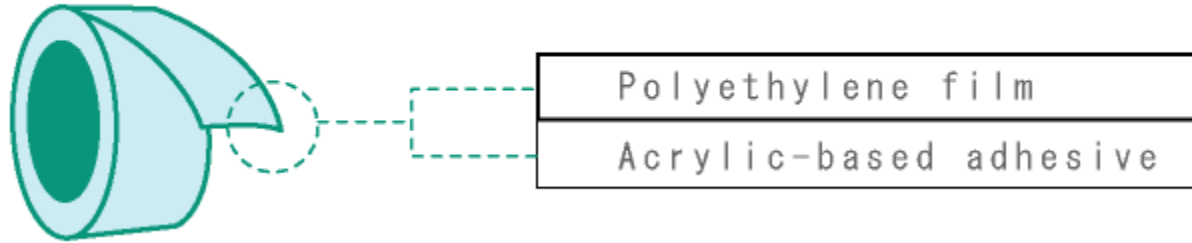
As masking with requirement:

>> Transparency [camera check and laser process]

>> Stability of Adhesive [in high temperature 120°C]

# 4-(4).Surface Protection Tape PSPE 9491

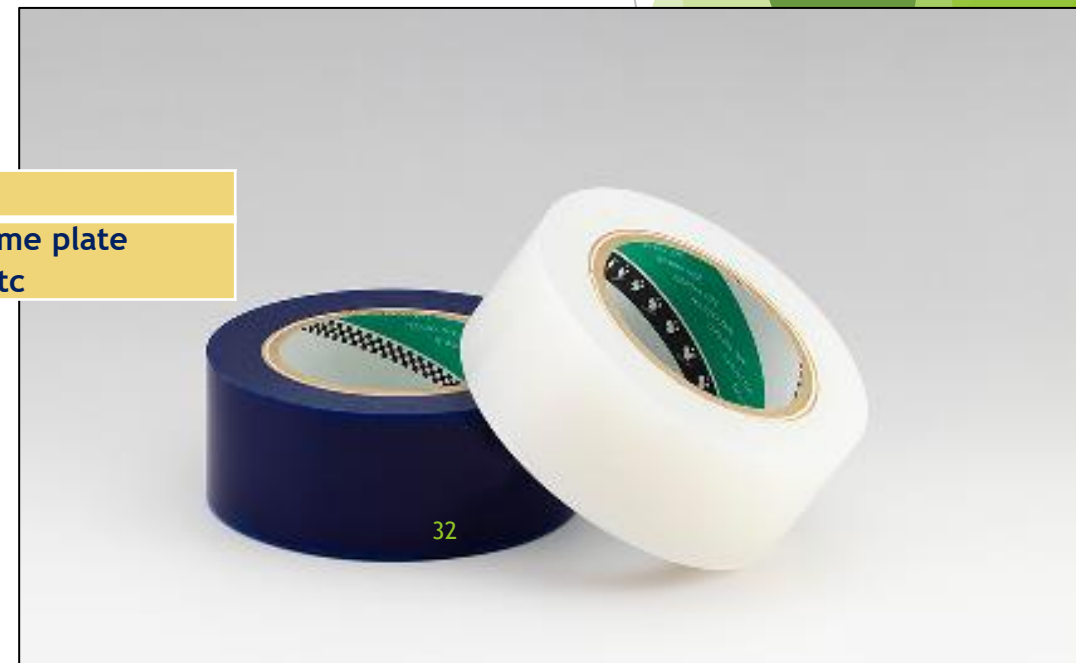
## Structure



Customize Width & Length  
As Requested

Adhesion sheet that protect object from dirt and scratches

FEATURE	USAGE
<ul style="list-style-type: none"> <li>☆ Low Adhesion</li> <li>☆ For Smooth Surface</li> </ul>	<ul style="list-style-type: none"> <li>☆ For protecting resin plate,name plate</li> <li>☆ Steel Sheet Stainless Steel etc</li> </ul>



# 4-(4).PSPE 9491 Application

1



2

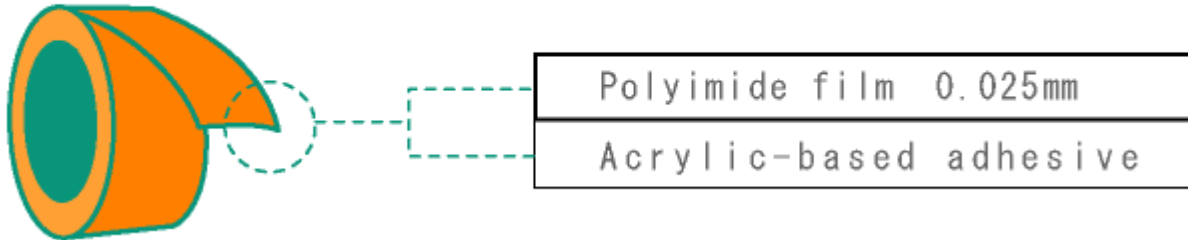


3



# 4-(5).Polyimide Tape PIT 666

## Structure



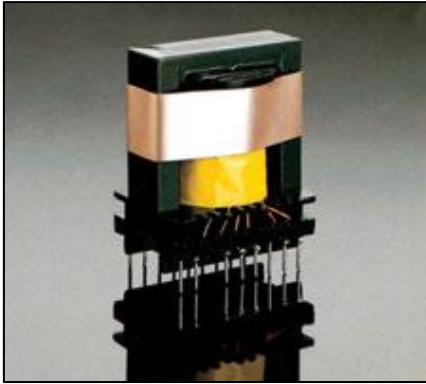
Tape with excellent Heat Resistance and Chemical Resistance. Ideal for Protecting Electrodes of batteries [inc Li-Ion ],

Customize Width & Length As Requested

FEATURE	USAGE
<ul style="list-style-type: none"> <li>★ Heat resistance</li> <li>★ Good Insulation [Breakdown Voltage 7.0 kV]</li> <li>★ Electrolite resistance [EMC,DMC,DEC]</li> <li>★ Excellent Peeling resistance in ellectrolite</li> </ul>	<ul style="list-style-type: none"> <li>★ Insulation /fixing battery part</li> <li>★ Electrolyte dipping process.</li> <li>★ High Temperature masking.</li> </ul>



# 4-(5). PIT 666 Application

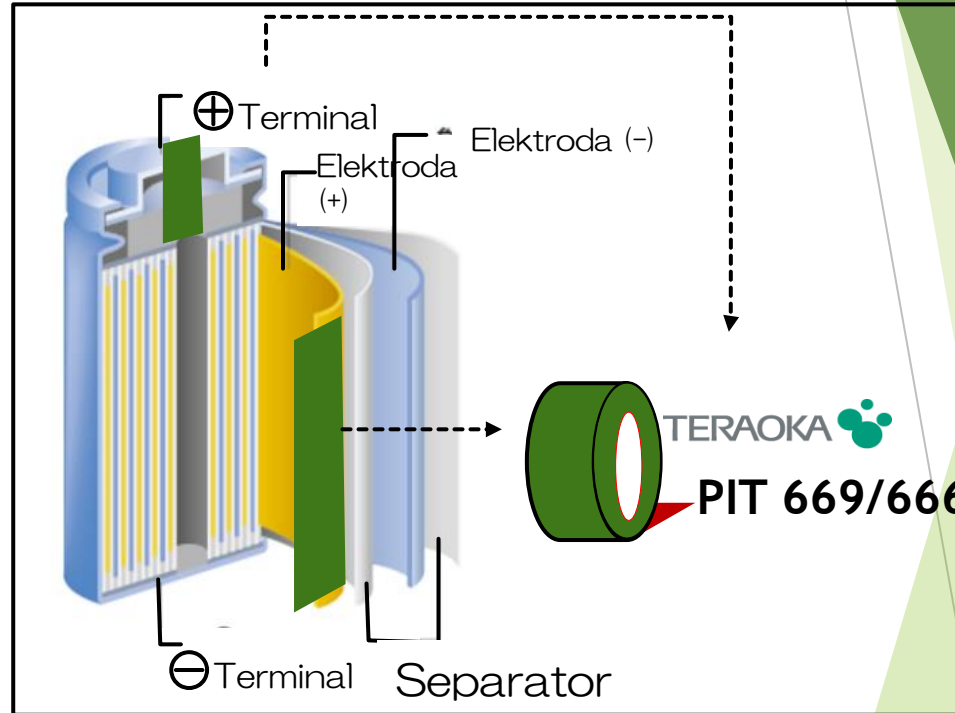


**S**



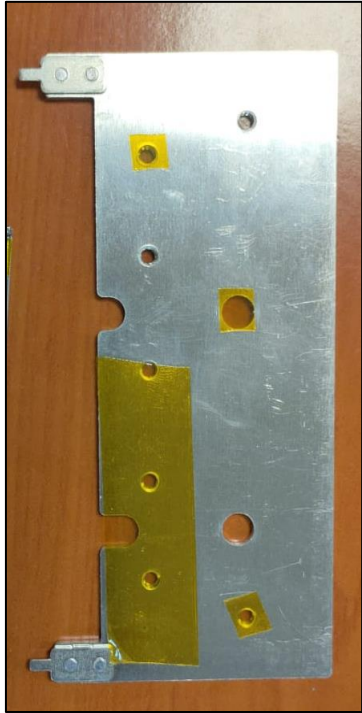
**Battery for Electrical Vehicle**

- Due to the product is very critical function and included on Safety product in Automobile business so requirement of Quality is very high & controlling



Tape with excellent Heat Resistance and Chemical Resistance.  
Ideal for Protecting Electrodes of batteries [inc Li-Ion ],

# 4-(5). PIT 666 Application



Masking Proses EDP Coating.  
>> Electrolyte Solvent.  
>> High Temperature Drying [200~300°C]

PASSED TRIAL BY  
CUSTOMER



## 寺岡の技術

寺岡製作所が誇る多彩な技術力を結集したものづくり

# TECH NO



# THANK YOU

寺岡製作所は、100年の長きにわたり築き上げてきた技術力と、新しいことにも次々と取り組むチャレンジ精神を融合し、お客様に新たな価値を創造・提供していきます。



01

寺岡の研究開発



02

寺岡の技術



03

寺岡の技術展開

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