

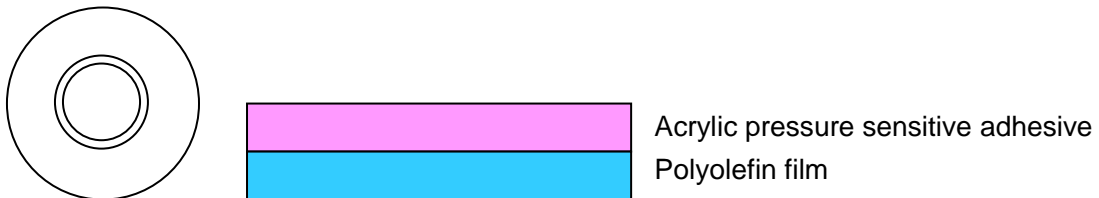
Surface protective materials for stainless steel plates deep drawing

SPV-S-400X

Outline

SPV-S-400X is surface protective materials for surface protection during stainless steel plates processing.

Construction



Features

- Minimal film floating during drawing process; multistep drawing is possible.

Applications

Surface protection for deep drawing processing of stainless steel plates

SPV-S-400X_E

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2018. 02. 01

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Standard Size · Color

Item	Thickness (mm)	Width (mm)	Length (M)	Color
S-400X	0.045	1250	500	Light blue

*Contact us for information concerning sizes other than the above.

General properties

Item	Unit	S-400X
Thickness *1	mm	0.045
Adhesive Strength *2	N/20mm	2.70
Tensile Strength *3	N/20mm	45
Elongation *3	%	600

Test Method

*1:Nominal thickness

*2:Adherend SUS430BA,Tensile speed 300mm/min,Peeling angle 90deg.,Dwell time20-40min.

*3:Tensile speed 300mm/min, strength and elongation when breaking

Matter requiring attention during laser cutting

When using this product with laser processing, unpeeling can occur depending on the cutting conditions. However, processability can be enhanced by reviewing the following conditions.

- 1) Please sufficiently secure necessary adhesive strength.
(Use only after leaving product in place for several days after application).
- 2) Perform cutting at fast speeds.
(Perform cutting at 2,000/mm per minute or faster.
- 3) Lower assist gas pressure.
- 4) Set a large gas pressure.
- 5) Shorten time from piercing to the start of cutting.
- 6) Lengthen distance from the piercing to the areas to be cut.

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Precautions

- Duly inspect the adaptability of this product to your intended use, prior to its application.
We may conduct the adaptability test in your favor. However, its content and results do not guarantee your use. It is of your responsibility to ultimately determine its adaptability.
- The characteristics and performance of this product depend on the type of adherend, environment of use, and conditions/period after application. Always test (including the appearance) before changing the adherend (composition/surface roughness), conditions or use.
- When the product is applied to PVC adherends with plasticizer or surface-active adherends (electrolyzed, chemically treated, polished, etc.), it may become difficult to release or tend to leave deposits, as time passes.
- When applying the product to a display material, test with particular attention on appearance defects. Stain, cloudiness or unevenness may appear on the surface of the display material, depending on its type. Traces of air bubbles may be left if they are trapped during application.
- Aforementioned problems may also arise when the product is stored for a long period of time after application.
- Do not use the product outdoors.
- Wipe off any grease, moisture or dust on the adherend before application.
- When coating after the surface protective material has been peeled, products should be used upon giving sufficient consideration to surface washing, below-surface processing and sintering conditions and confirming the adhesiveness of the coating.
- Please note that the surface of the adherend may repel paint or exhibit poor paint adhesion after SPV-S-400X is peeled off.

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