Sube-up®

"Sube-up ®" is a registered trademark of Hotty Polymer Co., Ltd.

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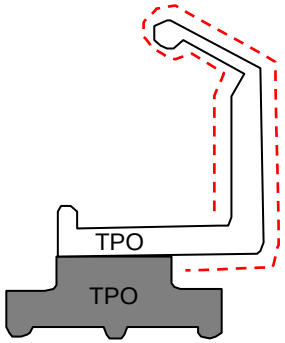
ホットな技術・情報で、最適ソリューション。

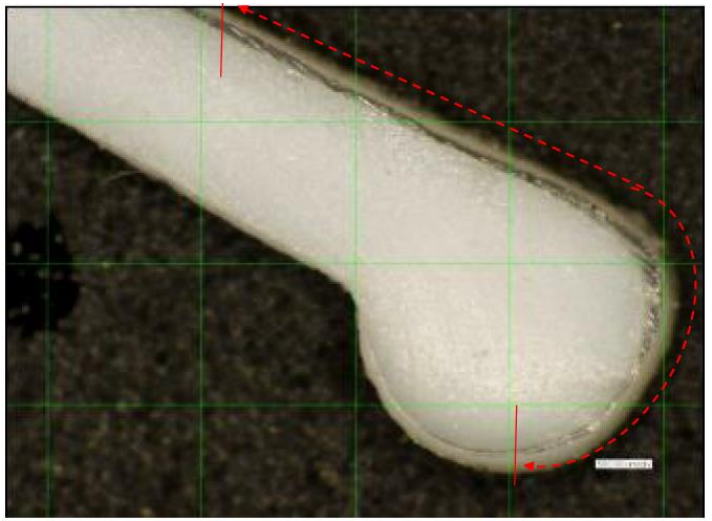
Sube-up® processing



Sube-up® surface

Processing method

Technology to co-extrusion the surface layer of TPO with a micro thin layer made of special resin.



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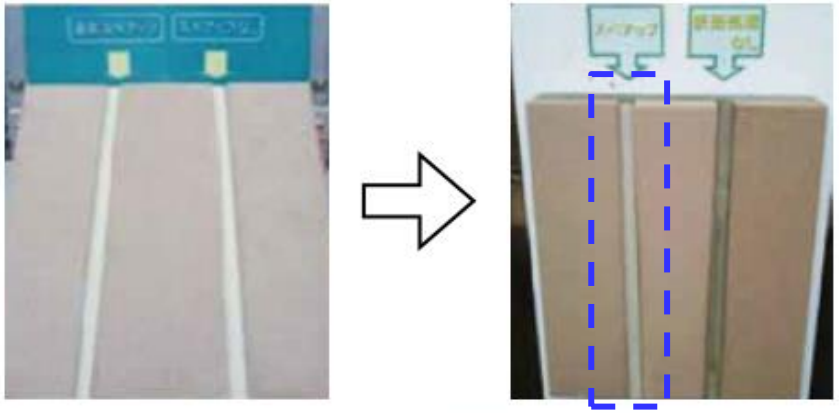
Advantage of Sube-up®

Small friction coefficient	Sube-up's friction coefficient is as small as that of a fluororesin.
Abrasion resistance	Sube-up provides better abrasion resistance than Nylon.
Forming characteristic	Sube-up does not affect base material's physical properties because its coating thickness is 15–30 μm.
Easy to clean	Its plasticizer-free and antimold coating makes Sube-up easy to clean.
Cost performance	Sube-up is co-extrusion. solvent-free, ecological, and economical.
Excellent stain resistance	Cleaning on the surface can be done easily. A water-repellent works effectively for outdoor use.

Advantage of Sube-up®

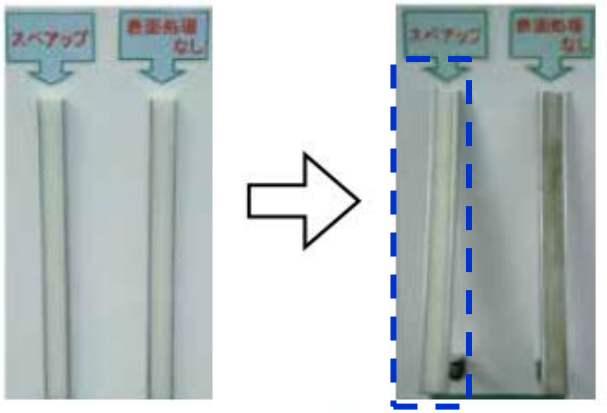
Contamination Resistance (Outdoor Weathering Test)

○ Sube-up products can improve the stain resistance as sealing materials.



One year seven months later

Sube-up



Eight months later

Sube-up

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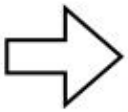
Advantage of Sube-up®

Mold Resistance

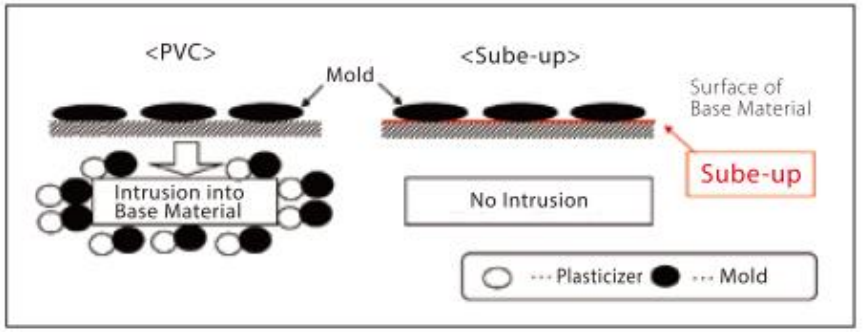
○ The Mold on Sube-up product can be wiped by dust-cloths because the mold cannot intrude into the base material.

<Mold Occurrence>



<After Wipe>

<Mechanism of Mold Occurrence>



The Sube-up surface has a water-repellent effect.
Easy to clean to prevent mold from entering the base material.

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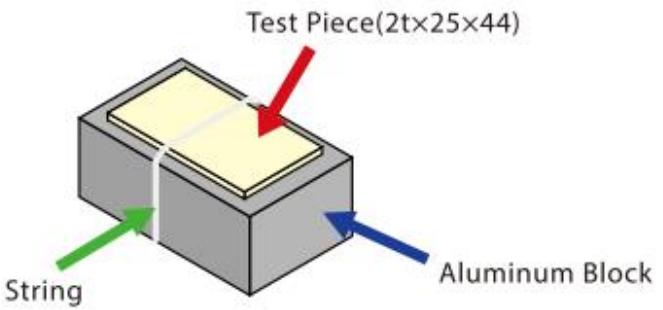
Advantage of Sube-up®

Sticking Resistance

- Sube-up products don't stick to opposite materials because Sube-up layers can block the oil-bleeding from the base materials.

Test Conditions
Test Temperature : 70°C
Test Time : 186 hours



<Sube-up>	<Silicone>	<Fluorine>	<TPO>
			
Non bleeding	Bleeding	Bleeding	Bleeding

By micro thin layer (Sube-up) of ultra-high-density resin, bleeding (exposing components in the material to the surface) can be suppressed, so excellent anti-sticking performance can be demonstrated.

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Applidation of Sube-up®

Due to the above characteristics, Sube-up can contribute to adding value to products, increasing work efficiency, and reducing costs.

Automotive

- Cost reduction by changing the surface of automobile weather strips from flocking

Building materials

- Reduced open/close force of highly airtight sash, which increases weight due to multi-layering, and improved airtightness and durability.
- Improvement against noise on the hanging side of the entrance door gasket and prevention of entanglement.
- Cost reduction by taking measures against contamination of joints in the bathroom and reducing the use of antifungal agents.

Genral related

- Reduced man-hours by improving the insertability of gaskets.

Application of Sube-up (door, sash)

Inquiry

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