

TriPly®/Cover-Tec

NEW Surface Treatments

SOFT & SMOOTH/COVER-TEC

Laminated non-woven fabric or foam protects class "A" surface in shipping. Several materials and thicknesses available for any application. This can be laminated on any of our standard TriPly materials. Available in 1,015mm width and 1-5mm thick.



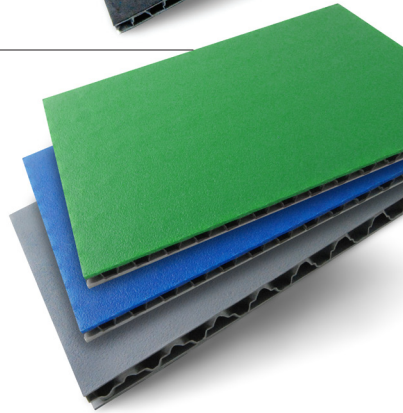
NON-SLIP/COVER-TEC

The Slidestop Cover-Tec surface consists of a polypropylene film with "soft touch" high friction coefficient that prevents parts from slipping in shipping. It is fully recyclable as it is made of the same material as the base TriPly. It can be applied to any of our standard sizes of TriPly, in maximum 2,100mm width and any length.



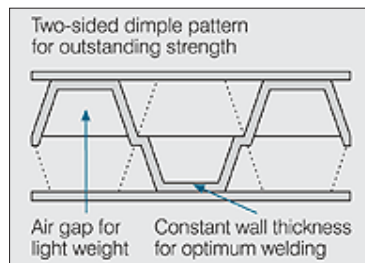
TEXTURED & COLORED /COVER-TEC

Several colors or "textures" available applied to our standard TriPly materials. These Cover-Tec options are used for "demo" cases or other packaging for high value products." Available in 2,100mm width and any length.



ADVANTAGES:

- Extremely Lightweight and Rigid
- High Compressive and Impact Strength
- Smooth and Level Surface
- Moisture Resistance
- Suitable for Contact with Food and Water
- Compatible with most Printing Processes
- Excellent Insulation
- Excellent Chemical Resistance
- Custom Sizes Available



AVAILABLE SIZES:

- Standard sheet size: 1,981mm x 2,235mm (78"x88")
- Special Order up to 2,100mm Wide by any Required Length
- Custom Fabricated Modules and Sleeves.

TriPly 3.5

Specific Weight: 1000 g/m²
Thickness: 3.5 mm

TriPly 3.8

Specific Weight: 1500 g/m²
Thickness: 3.8 mm

TriPly 5.0

Specific Weight: 1000 g/m²
Thickness: 5.0 mm

TriPly 5.4

Specific Weight: 1500 g/m²
Thickness: 5.4 mm

TriPly 5.9

Specific Weight: 2000 g/m²
Thickness: 5.9 mm

TriPly 6.5

Specific Weight: 2500 g/m²
Thickness: 6.5 mm

TriPly 9.7

Specific Weight: 2000 g/m²
Thickness: 9.7 mm

TriPly 10.0

Specific Weight: 2500 g/m²
Thickness: 10.0 mm

TriPly 10.3

Specific Weight: 3000 g/m²
Thickness: 10.3 mm

TriPly 10.4

Specific Weight: 3500 g/m²
Thickness: 10.4 mm

TriPly 11.0

Specific Weight: 4000 g/m²
Thickness: 11.0 mm

OPTIONS:

- Custom Sizes, Colors, Imprinting
- ESD Conductive 10/4-10/8 ohms
- UV Resistant
- Talcum Additive for Increased Strength



Call Us Today at: 734-222-4847 e-mail: Sales@SohnerPlastics.com
Visit us on the Internet at: <http://www.SohnerPlastics.com>

TriPly: Performance Data

Properties:	TriPly 3 1000 g/m ²	TriPly 5 1500 g/m ²	TriPly 10 3000 g/m ²
Area Weight:	1059 g/m ²	1638 g/m ²	2939 g/m ²
Overall Thickness:	3.1 mm	5.8 mm	10.7 mm
Density:	0.34 g/cm ³	0.29 g/cm ³	0.28 g/cm ³
Tensile Strength MD:	1026 N/50 mm	1677 N/50 mm	2353 N/50 mm
Tensile Strength TD:	1220 N/50 mm	1506 N/50 mm	2179 N/50 mm
Elongation at Break MD:	42 %	41 %	15 %
Elongation at Break TD:	38 %	31 %	17 %
Flexural Strength MD:	11.3 N/mm ²	11.4 N/mm ²	8.9 N/mm ²
Flexural Strength TD:	11.2 N/mm ²	10.8 N/mm ²	8.1 N/mm ²
Flexural Modulus of Elasticity MD:	489 N/mm ²	797 N/mm ²	918 N/mm ²
Flexural Modulus of Elasticity TD:	577 N/mm ²	734 N/mm ²	772 N/mm ²
Puncture Resistance Ultimate Force:	576 N	954 N	1052 N
Puncture Resistance Work:	5.0 J	9.6 J	13.8 J
Edge Crush Resistance:	9.3 kN/m	27.8 kN/m	53.4 kN/m
Surface Crush Resistance:	775 kN/m ²	1300 kN/m ²	750 kN/m ²
Dimensional Stability:	< 0.1 %	< 0.1 %	< 0.1 %
Cold Impact Strength:	250 mm	250 mm	230 mm
Combustion Behaviour:	29 mm/min	20 mm/min	27 mm/min

MD = Machine Direction
TD = Traverse Direction

Source of data: Test report 63820/04 from Süddeutsches Kunststoff-Zentrum (SKZ). Although all data provided is correct and reliable, users are advised to conduct their own tests to determine suitability for their specific application.

Chemical Resistance of Plastic Resins

	PP (TriPly)	PE	PB	Rigid PVC	Flexible PVC	PS	SB	SAN	ABS	ASA	PMMA	PC
Acetic acid, concentrated:	●	●	●	○	○	○	○	○	○	○	○	○
Acetone:	●	○	○	○	○	○	○	○	○	○	○	○
Alcoholic beverages:	●	●	●	●	●	●	●	●	●	●	●	●
Ammonia, aqueous:	●	●	●	●	●	●	●	●	●	●	●	○
Benzene:	○	○	○	○	○	○	○	○	○	○	○	○
Diesel fuel:	●	●	●	○	○	○	○	○	○	○	○	○
Dishwashing soap:	●	●	●	○	○	○	○	○	○	○	○	○
Flourinated hydrocarbons:	○	○	○	○	○	○	○	○	○	○	○	○
Fruit juices:	●	●	●	●	●	●	●	●	●	●	●	●
Hydrofluoric acid, up to 20%:	●	●	●	○	○	○	○	○	○	○	○	○
Hydrofluoric acid, up to 35%:	●	●	●	○	○	○	○	○	○	○	○	○
Laundry detergents:	●	●	●	○	○	○	○	○	○	○	○	○
Methanol:	●	●	●	○	○	○	○	○	○	○	○	○
Milk:	●	●	●	○	○	○	○	○	○	○	○	○
Motor oil:	●	●	●	○	○	○	○	○	○	○	○	○
Ozone:	○	○	○	○	○	○	○	○	○	○	○	○
Petrol (gasoline):	○	○	○	○	○	○	○	○	○	○	○	○
Potassium hydroxide, conc.:	●	●	●	○	○	○	○	○	○	○	○	○
Silicone oil:	●	●	●	○	○	○	○	○	○	○	○	○
Soap solution, aqueous:	●	●	●	○	○	○	○	○	○	○	○	○
Sodium hydroxide, conc.:	●	●	●	○	○	○	○	○	○	○	○	○
Sulfuric acid, up to 40%:	●	●	●	○	○	○	○	○	○	○	○	○
Toluene:	○	○	○	○	○	○	○	○	○	○	○	○
Trichloroethylene:	○	○	○	○	○	○	○	○	○	○	○	○
Vegetable oils/vegetable fats:	●	●	●	○	○	○	○	○	○	○	○	○
Water/salt water, cold:	●	●	●	○	○	○	○	○	○	○	○	○
Water, hot:	●	●	●	○	○	○	○	○	○	○	○	○

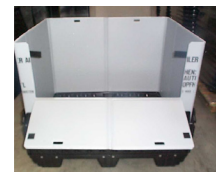
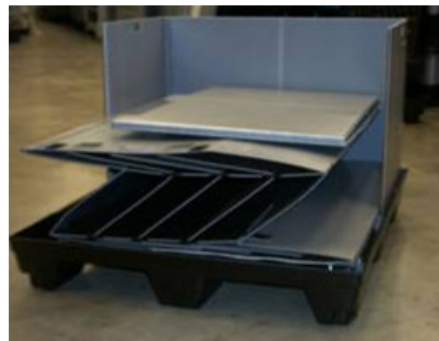
● = Resistant ○ Conditionally Resistant ○ Not Resistant

All information above, while provided to the best of our knowledge and experience, is provided solely as a general guide and should be confirmed by testing users' specific applications.

Special Applications:

Sohner Plastics utilizes TriPly in the manufacturing of its durable MEGA-PACK returnable/reusable packaging systems, pallet sleeves, dividers, and more.

We can design and manufacture any custom application to your exact needs.



Call Us Today at: **734-222-4847** e-mail: **Sales@SohnerPlastics.com**
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