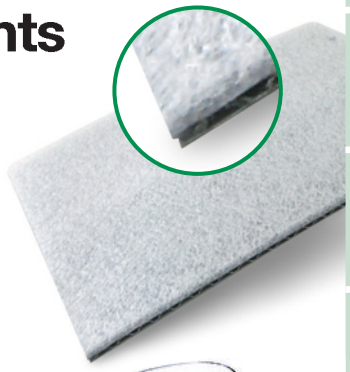
TriPly®/Cover-Tec

NEW Surface Treatments

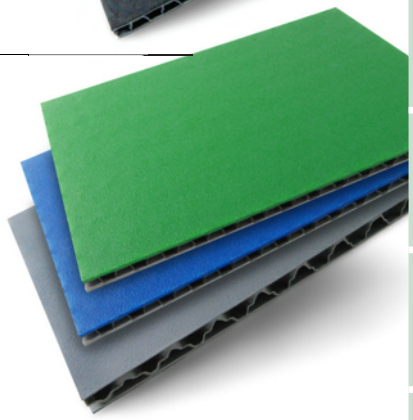


SOFT & SMOOTH/COVER-TEC

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.

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

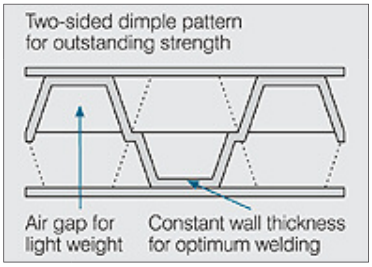
TriPly 10.3
Specific Weight: ..... 3000 g/m²
Thickness:..... 10.3 mm

TriPly 10.4
Specific Weight: ..... 3500 g/m²
Thickness:..... 10.4 mm

TriPly 11.0
Specific Weight: ..... 4000 g/m²
Thickness:..... 11.0 mm

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.**

OPTIONS:

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

TriPly: Performance Data

Properties:	TriPly 3 1000 g/m²	TriPly 5 1500 g/m²	TriPly 10 3000 g/m²
Area Weight:	1059 g/m2	1638 g/m2	2939 g/m2
Overall Thickness:	3.1 mm	5.8 mm	10.7 mm
Density:	0.34 g/cm³	0.29 g/cm³	0.28 g/cm³
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/mm²	11.4 N/mm²	8.9 N/mm²
Flexural Strength TD:	11.2 N/mm²	10.8 N/mm²	8.1 N/mm²
Flexural Modulus of Elasticity MD:	489 N/mm²	797 N/mm²	918 N/mm²
Flexural Modulus of Elasticity TD:	577 N/mm²	734 N/mm²	772 N/mm²
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/m²	1300 kN/m²	750 kN/m²
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:	●	◐	○	○	○	○	○	○	○	○	○	○
Alcholic beveages:	●	●	●	●	●	●	●	●	●	●	◐	●
Ammonia, aqueous:	●	●	●	●	●	●	●	●	●	●	●	○
Benzene:	○	◐	◐	○	○	○	○	○	○	○	○	○
Diesel fuel:	●	●	●	●	◐	◐	●	●	●	●	●	●
Dishwashing soap:	●	●	●		◐							●
Flourinated hydrocarbons:	◐	○	◐	○	○	○	○	○	○	◐	◐	○
Fruit juices:	●	●	●	●		●	●	●	●	●	●	●
Hydroflouric acid, up to 20%:	●	●	●	●		●	●	●	●	●	◐	●
Hydroflouric acid, up to 35%:	●	●	●	●	◐	●	●	◐	◐	●	◐	◐
Lundry 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:	●	●	●	◐	◐	●	●	●	●	●	●	◐

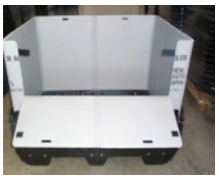
● = Resistant ◐ Conditionally Resistant ○ Not Resistant

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

Special Applications:

Sohner Plastics utilizes TriPly in the manufacturing of it's **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**
Visit us on the Internet at: **http://www.sohnerplastics.com**

SohnerPlastics
Intelligent Packaging Solutions