



# | RECOVER

## RECYCLED PET FILM





# RECOVER

SSI North America is excited to introduce ReCover, our new range of recycled PET film suitable for membrane pressing and flat lamination. ReCover is made from recycled post-consumer PET bottle waste – through a process of selection, purification, crushing and extrusion our manufacturer is able to create a recycled film with exceptional quality and consistency. Everyone can agree that lengthening the life-cycle of a product is a good thing for us all and turning a waste item into a resource helps conserve natural resources and reduces the energy required to extract and process raw materials. Being able to offer ReCover to our customers is an important step in creating added value and accessing market opportunities, reflecting consumer interest and eco-friendly sustainable building practices.

ReCover is available in solid colors, with either a Satin or High Gloss finish, but with the same intrinsic performance qualities and workability of a regularly sourced quality film. ReCover is an innovative and creative addition for every program.

ReCover is a solid color decorative film whose main raw material is mechanically recycled PET bottle waste. It does not generate toxic gas when incinerated. It has one of the lowest combustion temperatures among all plastics and thus minimizes damage to incinerator furnaces. Formaldehyde, toluene and xylene are not used in production processing.



#### Applications

- Cabinetry
- Cabinet doors & drawer fronts
- Fixture and display
- Wall panels

#### Processing

- Vacuum forming
- Membrane pressing
- Profile wrapping
- Flat lamination

GOING BEYOND THE SURFACE



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## RECOVER TECHNICAL DATA SHEET

### DIMENSIONS

Index	Specifications	Tolerance
Thickness	.300mm	0.300mm $\pm$ 7%
Width	1440mm	Usable 1350mm

### PHYSICAL AND MECHANICAL PROPERTIES

Index	Test Value	Test Method
Surface Gloss Level (60°) High Gloss	88	With the tolerance of $\pm$ 5
Surface Gloss Level (60°) Satin	15	15 with tolerance of -2+5
Scratch resistance	Pencil strength	HB
Taber abrasion resistance	13.1 mg	Under the condition of 1kg load
Heat shrinkage	MD	ISO9352 CS-17/1000 times
	TD	Under the condition of 100°C(212F) for 10 min.
Tensile strength at yield at 23°C	MD	65 MPa
	TD	60 MPa
Tear strength at yield at 23°C	MD	200 N/mm
	TD	205 N/mm
Elongation at break at 80°C	Minimum 100%	ISO527-3 speed: 50mm/min
Film impact at 23° C	4.3 kN	JIS K7128 speed: 200mm/min
Dry heat at 70° C	Rating: 4	CIT method (speed: 50mm/min)
Weather resistance	Xenon Arc weather meter	ASTM D3420
	Color change $\Delta E$ 0.4 after 500hrs	EN 12722
		JIS K-7350 (ISO 4892-2) (CIT Item No.:VMR4773 / White)

ReCover has been inspected and assessed in accordance with European Recycled Claim Standard (RCS) 2.0

### STAIN AND CHEMICAL RESISTANCE

Index	Specifications	Tolerance
Acetic acid 10% aqueous solution	No appreciable change	DIN 68861-1 Grade 1B
Citric acid 10% aqueous solution	No appreciable change	
Ammonia 10% aqueous solution	No appreciable change	
Ethyl Alcohol non denatured, 48% aqueous solution	No appreciable change	
Red wine	No appreciable change	
Coffee	No appreciable change	
Black tea	No appreciable change	
Black currant juice	No appreciable change	
Condensed milk	No appreciable change	
Cleaning benzene	No appreciable change	
Olive oil	No appreciable change	
Butter	No appreciable change	
Mustard	No appreciable change	

\* The above values should be considered indicative.

It is each users responsibility to ensure the product identifies with its requirements and all legislation concerning its use.

