

Bonlex which is manufactured from a polyester-based material doesn't generate toxic gases when incinerated. It has one of the lowest combustion temperatures of all plastics and minimizes damage to incinerator furnaces. Production doesn't use formaldehyde, toluene and xylene.

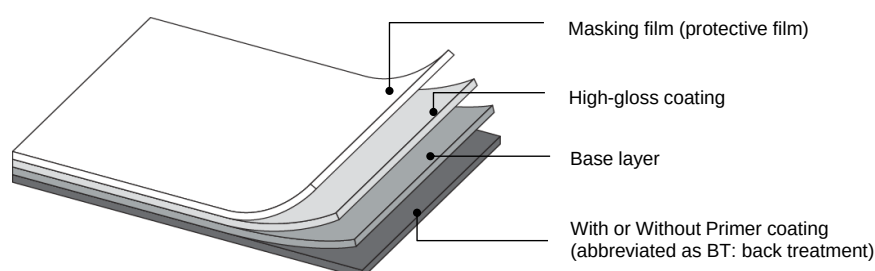
■ Applications

- 1) Doors and panels for kitchen and furniture
- 2) Store fixtures
- 3) Dressing room doors

■ Characteristics

- 1) Designed for the vacuum-pressure forming applications such as membrane press application and mold press application and also for the 2D applications such as profile wrapping and flat lamination applications.
- 2) Superior processing suitability
- 3) Environmentally-friendly laminate materials

■ Structure (Solid color)



■ Physical Properties

Index		Specifications	Test method
Thickness		0.25 /0.3/ 0.4/ 0.5mm	GLOSS CHECKER (60°)
Width		1440mm	
Surface Gloss		87,9	
Scratch resistance		0.3 N	DIN68861-4
Taber abrasion resistance		2D	Under the condition of 1kg load.
Heat shrinkage	MD	-2,5%	Under the condition of 100°C(212F) for 10 min.
	TD	-0,9%	

■ Chemical resistance

Acetic acid	No appreciable change	< DIN 68861-1> Class 1B
Citric acid	Ditto	
Ethanol	Ditto	
Red wine	Ditto	
Beer	Ditto	
Coke	Ditto	
Coffee	Ditto	
Tea	Ditto	
Blackcurrant juice	Ditto	
Acetone	Ditto	
Ethyl-butyl acetate	Ditto	
Butter	Ditto	
Olive oil	Ditto	
Mustard	Ditto	
Onion	Ditto	
Disinfectant	Ditto	
Detergent	Ditto	
Cleaning solution	Ditto	

■ Mechanical properties

Tensile strength at yield at 23°C	MD	More than 40 N/mm ²	ASTM D-638
	TD	More than 40 N/mm ²	
Tear strength at yield at 23°C	MD	More than 120 N/mm	ASTM D-624
	TD	More than 120 N/mm	
Weather resistance	Xenon Arc weather meter	No appreciable change after 400hrs	ISO 4892-2 under 400hrs. (Item No. : VGFT-4720 White color)