

1. General Description

This specification details the quality and defines its testing method of bonlex which is the thermo-formable PVC foil for membrane pressing and other applications.

2. Type and Dimension

1) Description

Mono-colour PVC foil with lotus supermatt coating

2) Dimension

Type	Thickness		Width		Usable Coated Width	
	Normal Size (mm)	Tolerance	Normal Size (mm)	Tolerance	Standard Width (mm)	Tolerance
bonlex lotus	0.30 0.35	±10%	1440	±20mm	1380	-0+10mm

3. Primer

Primer coating is applied on the backside of the foil.

For wrapping application, foil without primer is available at request.

4. Physical Properties (Tested Item : RT0758 White)

Index		Result	Test method
Gloss level at 60°		Less than 5.0	JIS K5600-4-7 (ISO2813)
Scratch resistance		4E	<DIN68861-4>
Heat shrinkage	MD	-3.5%	Under the condition of 100°C(212F) for 10 min.
	TD	-2.0%	

5. Stain Resistance (Tested Item : RT0758 White)

Source	Result	Remarks
Acetic acid	No appreciable change	< DIN 68861-1> Class 1C Tested Item: RT0709B
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	Minor change	
Olive oil	Ditto	
Mustard	No appreciable change	
Onion	Ditto	
Disinfectant	Ditto	
Detergent	Ditto	
Cleaning solution	Ditto	

6. Color Fastness (Tested Item : RT0758 White)

Hours	Result	Xenon Sunshine Arc Weather Meter Compliance with JIS K7350-2 (ISO 4892-2-A)
100hr	No appreciable change	
200hr	Ditto	
300hr	Ditto	
400hr	Ditto	

7. Other Properties (Tested Item : RT0758 White)

Index		Result	Test method
Tensile strength at yield at 23°C	MD	41.6 N/mm ²	CIT method (speed : 50mm/min)
	TD	35.1 N/mm ²	
Tear strength at yield at 23°C	MD	178.8 N/mm	CIT method (speed : 200mm/min)
	TD	170.3 N/mm	
Elongation at break		Minimum 100%	CIT method (speed : 50mm/min)

* Above data are Lab. Test value and not guaranteed.

* The above values should be considered indicative.

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