

Technical Data Sheet

Bonlex PVC Supermatt - LOTUS - VCNLS

bonlex

1. General Description

This specification details the quality and defines its testing method of bonlex which is the termo-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	0.35	±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%
	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	Remarks
100hr	No appreciable change	Xenon Sunshine Arc Weather Meter Compliance with JIS K7350-2 (ISO 4892-2-A)
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
	TD	35.1 N/mm ²
Tear strength at yield at 23°C	MD	178.8 N/mm
	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.