



# SUPLAIN

## 1012 L

### Description

SUPLAIN 1012 L is a transparent, biaxially oriented polypropylene film. No heat seal property. Two sides treated. Specially antistatic modified formulation for dust-repelling and easy processing capabilities.

It is designed as lamination substrate for paper and card board lamination applications and for roll-fed bottle label lamination applications where excellent ink and adhesive adhesion and superior machinability are essential.

Any possible caution for blocking tendency during printing or/and process should be taken since the film is both sides treated.

### Properties

- Excellent gloss and clarity
- Low haze
- Improved antistatic property
- Excellent bonding capability to ink and adhesive systems
- Excellent processing on most common high speed labelling machines
- High tensile strength
- Good dimensional stability
- Resistance to chemicals, greases and oils
- Good moisture barrier

## Technical Features

PROPERTIES	TEST METHOD	UNITS		1012 L
THICKNESS	ASTM F2251	micron		12
		Gauge		48
YIELD	ASTM D4321	m <sup>2</sup> /kg		91,6
		in <sup>2</sup> /Lbs		64.400
UNIT WEIGHT	ASTM D4321	g/m <sup>2</sup>		10,9
HAZE	ASTM D1003	%		1,8
GLOSS (45 °)	ASTM D2457	%		92
TENSILE STRENGTH AT BREAK	ASTM D882	MD	N/mm <sup>2</sup>	150
			lb/in <sup>2</sup>	21.800
		TD	N/mm <sup>2</sup>	280
			lb/in <sup>2</sup>	40.600
ELONGATION AT BREAK	ASTM D882	MD	%	160
		TD		60
THERMAL SHRINKAGE (120 °C, 5 min, air)	ASTM D1204	MD	%	3
		TD		1
COEFFICIENT OF FRICTION	ASTM D1894	Film/Film		0,30
		Film/Metal		0,20
SURFACE TENSION	ASTM D2578	Dyne/cm	Treated Side	38
			Other Side	38

### Regulatory Status

Our product complies with the applicable EC legislation on packaging involving direct contact with foods except metallized films. Full details are given on the Regulatory Compliance Certificate and can be found on our web site.

The information contained in this data sheet is true and accurate according to current state of our knowledge and intended to give general information on our products and their applications. Above values are to be considered as guidelines and not as product specifications. Since the actual conditions of use are beyond our control, users are advised to make their own tests at their specific conditions of laboratory and/or actual use. We suggest our customers to determine final suitability for their specific end uses.

Also be advised that information on this data sheet shall not be construed as an inducement or recommendation to use any process or to manufacture or use any product in conflict with existing, pending or future patents.

**For related spec sheet with tolerance values, please contact our sales departments**