

# technical data sheet

## SUPLAIN

## 1011

### TECHNICAL INFORMATION

#### Structure

Treated polypropylene layer

Polypropylene core layer

Polypropylene layer



#### Description

SUPLAIN 1011 is a transparent, biaxially oriented polypropylene film. No heat seal property. One side treated.

SUPLAIN 1012, two sides treated, version is also available.  
SUPLAIN1010, non treated, version is also available

#### Properties

- Excellent mechanical properties
- Excellent dimensional stability
- Low haze
- High gloss and clarity
- Excellent ink and coating adhesion
- Excellent lamination adhesion to all kind of films
- Resistance to chemicals, greases and oils
- Good moisture barrier

#### Applications

General lamination purposes, flower wrapping and photo album making.

 **SUPER FILM**  
PACKAGING FILMS

## BOPP TECHNICAL PROPERTIES

### SUPLAIN 1011

												TEST METHOD
THICKNESS		MICRON	12	15,0	17,5	20	25	30	35	40	50	ASTM D 2673
		GAUGE	47,2	59,1	68,9	78,7	98,4	118,1	137,8	157,5	196,9	
YIELD		m <sup>2</sup> /kg	91,6	73,3	62,8	54,9	43,9	36,5	31,4	27,4	21,9	ASTM D 2673
		in <sup>2</sup> /Lbs	64401	51535	44153	38598	30865	25662	22076	19264	15397	
TENSILE STRENGTH	MD	N/mm <sup>2</sup>	170									ASTM D 882
		lb/in <sup>2</sup>	24636									
	TD	N/mm <sup>2</sup>	300									
		lb/in <sup>2</sup>	43476									
ELONGATION AT BREAK	MD	%	170									ASTM D 1204
	TD	%	60									
THERMAL SHRINKAGE	MD	%	4									ASTM D 1204
	TD	%	2									
COEFFICIENT OF FRICTION		Film/Film	0,35									ASTM D 1894
		Film/Metal	0,25									
HAZE		%	1,2	1,2	1,4	1,4	1,4	1,5	1,5	1,5	1,6	ASTM D 1003
GLOOS(45°)		%	95									ASTM D 2457
SURFACE TENSION		Dyn/cm	38									ASTM D 2578
HEATSEAL RANGE		°F										ASTM F 88
		°C										
HEATSEAL STRENGTH		N/15mm										ASTM F 88

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**

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