

# technical data sheet

**SUPLEX**

**2011**

## TECHNICAL INFORMATION

### Structure

Treated sealant layer

Polypropylene core layer

Sealant layer



### Description

SUPLEX 2011 is a transparent, coextruded biaxially oriented polypropylene film, Two sides heat sealable. One side treated.

SUPLEX 2012, two sides treated, version is also available.

### Properties

- Broad seal range
- Excellent hot tack and heat seal strength
- Good hot slip
- Excellent dimensional stability
- High clarity and gloss
- Good moisture barrier
- Resistance to chemicals, greases and oils
- Excellent ink and coating adhesion
- Low static property

### Applications

A general purpose packaging film for use on HFFS and VFFS packaging machines where the strong seals and excellent hot-track is needed. It can be used as single ply and as lamination substrate to itself and to other films.



**SUPER FILM**  
PACKAGING FILMS

BOPP TECHNICAL PROPERTIES											
SUPEX 2011											TEST METHOD
THICKNESS		MICRON	15	17,5	20	25	30	35	40	50	ASTM D 2673
		GAUGE	59,1	68,9	78,7	98,4	118,1	137,8	157,5	196,9	
YIELD		m²/kg	73,3	62,8	54,9	43,9	36,6	31,4	27,5	21,9	ASTM D 2673
		in²/Lbs	51535	44153	38598	30865	25732	22076	19334	15397	
TENSILE STRENGTH	MD	N/mm²	170								ASTM D 882
		lb/in²	24636								
	TD	N/mm²	280								
		lb/in²	40577								
ELONGATION AT BREAK	MD	%	180								ASTM D 1204
	TD	%	65								
THERMAL SHRINKAGE	MD	%	4								ASTM D 1204
	TD	%	2								
COEFFICIENT OF FRICTION		Film/Film	0,30								ASTM D 1894
		Film/Metal	0,20								
HAZE		%	1,7	1,8	1,8	1,8	1,8	1,9	2,0	2,0	ASTM D 1003
GLOOS(45°)		%	90	90	90	90	90	90	90	90	ASTM D 2457
SURFACE TENSION		Dyn/cm	38								ASTM D 2578
HEATSEAL RANGE		°F	248-293								ASTM F 88
		°C	120-145								
HEATSEAL RANGE		N/15mm	>2,5								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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