

Treated Sealant Layer

# SUPEX

# 2011 M

## Description

SUPEX 2011 M is a transparent, coextruded, biaxially oriented polypropylene (BOPP) film formulated with low COF and stable slip property. Both sides heat sealable and one side treated.

General purpose packaging film for use on HFFS and VFFS packaging machines where the strong seal and low COF is required for smooth and trouble-free running.

### **Properties**

- · Excellent hot tack and heat seal strength
- Low and stable slip
- Excellent hot slip property
- High clarity and gloss
- Excellent adhesion to inks and adhesives
- · Resistance to chemicals, greases and oils



Factory & Head Office Başpınar (Organize) OSB Mahallesi O.S.B 2. Bölge Hacı Sani Konukoğlu Bulvarı No:1 P +90 342 211 60 00 (20 lines) F +90 342 337 28 70 Superfilm Europe S.A 37 Esplanade de la Moselle 90, Wasserbillig, Luxembourg P +352 261 19 922 F+352 261 19 921



### **Technical Features**

PROPERTIES	TEST METHOD	UNITS		2011 M										
THICKNESS	ASTM F2251	micron		15	17	17,5	18	20	25	30	35	40	50	
		Gauge		60	68	70	72	80	100	120	140	160	200	
YIELD	ASTM	m²/kg		73,3	64,6	62,8	61,1	54,9	44,0	36,6	31,4	27,5	22,0	
	D4321	in²/Lbs		51.500	45.400	44.100	43.000	38.600	30.900	25.800	22.100	19.300	15.500	
UNIT WEIGHT	ASTM D4321	g/m²		13,7	15,5	15,9	16,4	18,2	22,8	27,3	31,8	36,4	45,5	
HAZE	ASTM D1003	%		1,7 2,0										
GLOSS (45 °)	ASTM D2457	%		96										
TENSILE STRENGTH AT BREAK	ASTM D882	MD	N/mm²	160										
			lb/in²	23.200										
		TD	N/mm²	280										
			lb/in²	40.600										
ELONGATION AT BREAK	ASTM D882	MD		185										
		TD	%	65										
THERMAL	ASTM D1204	MD	0/	3										
SHRINKAGE (120 °C, 5 min, air)		TD	%	1										
COEFFICIENT OF FRICTION	ASTM D1894	Film/Film		0,20										
		Film/Metal		0,20										
SURFACE TENSION	ASTM D2578	Treated Dyne/ Side		38										
		cm	Other Side											
HEATSEAL RANGE	ASTM F88	°C		105-145										
		°F		221-293										
HEATSEAL STRENGTH (120 °C, 1 MPa, 1 s)	ASTM F88	N/15mm		2,0										

#### **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 intented 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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