



## SUPEX

### 2310 / 2311

#### Description

SUPEX 2310 and 2311 are a matt surface, coextruded biaxially oriented polypropylene film. Both sides are heat sealable. Glossy side is treated or non treated.

A general purpose packaging film where the mattness effect is value added property.

Can be used as single ply and as lamination base film for different applications. It is recommended for coffee, light foods, confectionary and soap overwrap packaging applications where matt effect is needed for decorative purposes.

#### Properties

- Broad seal range
- Excellent hot tack and heat seal strength
- A to B sealing capability
- Good moisture barrier
- Excellent resistance to chemicals, greases and oils
- Excellent ink and coating adhesion
- Low static property
- Matt effect for old fashioned paper look

## Technical Features

PROPERTIES	TEST METHOD	UNITS	2310	2311
THICKNESS	ASTM F2251	micron	20	20 30
		Gauge	80	80 120
YIELD	ASTM D4321	m <sup>2</sup> /kg	58,1	58,1 38,8
		in <sup>2</sup> /Lbs	40.900	40.900 27.250
UNIT WEIGHT	ASTM D4321	g/m <sup>2</sup>	17,2	17,2 25.8
HAZE	ASTM D1003	%		70
GLOSS (45 °) (*)	ASTM D2457	%		14
TENSILE STRENGTH AT BREAK	ASTM D882	MD	N/mm <sup>2</sup>	140
			lb/in <sup>2</sup>	20.300
		TD	N/mm <sup>2</sup>	250
			lb/in <sup>2</sup>	36.300
ELONGATION AT BREAK	ASTM D882	MD	%	180
		TD	%	70
THERMAL SHRINKAGE (120 °C, 5 min, air)	ASTM D1204	MD	%	3
		TD	%	1
COEFFICIENT OF FRICTION (*)	ASTM D1894	Film/Film		0,25
		Film/Metal		0,20
SURFACE TENSION	ASTM D2578	Dyne/cm	Treated Side	- 38
			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

### (\*) Matt surface

#### 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**