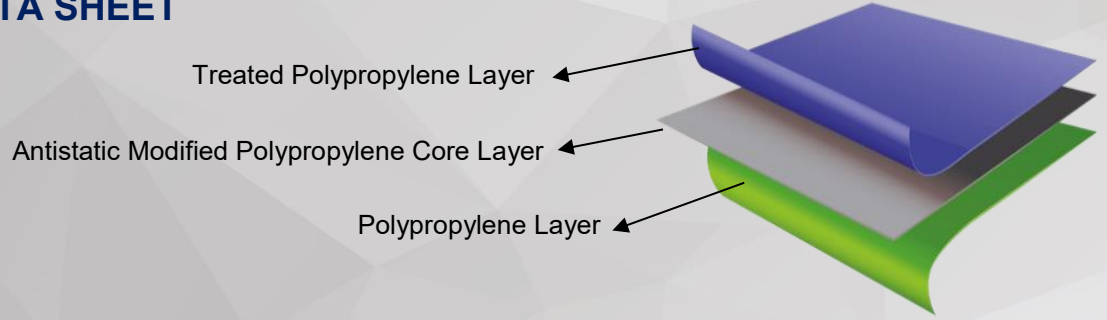


TECHNICAL DATA SHEET



SUPLAIN

1011 S

Description

SUPLAIN 1011 S is a transparent, one side treated, biaxially oriented polypropylene film with improved antistatic property.

Specially designed for high speed roll-fed and cut&stack labelling applications. Surface and/or reverse print capability for water bottles labelling where excellent stiffness and special graphics are needed. It is advised to use special coating systems for cut&stack applications.

Properties

- Excellent gloss and clarity
- Improved antistatic property
- Excellent bonding capability to adhesive systems
- Excellent machinability on roll-fed and cut&stack labelling machines
- Resistance to chemicals, greases and oils
- Excellent ink and coating adhesion
- Good moisture barrier

Technical Features

PROPERTIES	TEST METHOD	UNITS	1011 S		SPECIFICATION RANGE
THICKNESS	ASTM F2251	micron	35	40	± 3%
		Gauge	140	160	± 3%
YIELD	ASTM D4321	m ² /kg	31,4	27,5	± 3%
		in ² /Lbs	22.100	19.300	± 3%
UNIT WEIGHT	ASTM D4321	g/m ²	31,9	36,4	± 3%
HAZE	ASTM D1003	%	1,5		± 0,5
GLOSS (45 °)	ASTM D2457	%	95		± 5
TENSILE STRENGTH AT BREAK	ASTM D882	MD	N/mm ²	150	± 30
			lb/in ²	21.800	± 4.400
		TD	N/mm ²	280	± 30
			lb/in ²	40.600	± 4.400
ELONGATION AT BREAK	ASTM D882	MD	180		± 30
		TD	60		± 20
THERMAL SHRINKAGE (120 °C, 5 min, air)	ASTM D1204	MD	3		± 1
		TD	1		± 1
COEFFICIENT OF FRICTION	ASTM D1894	Film/Film	0,30		± 0,05
		Film/Metal	0,20		± 0,05
SURFACE TENSION	ASTM D2578	Dyne/cm	Treated Side	min 38	
			Other Side	-	

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.