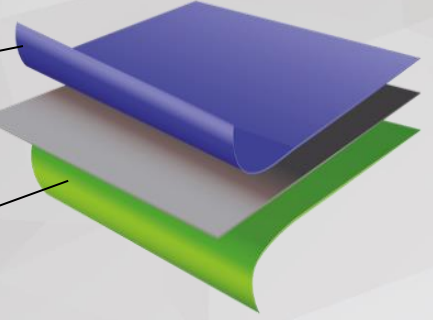


High Treated Polypropylene Layer

Polypropylene Core Layer

Polypropylene Layer
(Treated for 1022 SGL)



SUPLAIN

1021 SGL / 1022 SGL

Description

SUPLAIN 1021 SGL and 1022 SGL are a transparent biaxially oriented polypropylene (BOPP) film for general applications. No heat seal property. One side or both sides treated.

It is designed to have a high treatment property on one side to get better and excellent adhesion property for different industrial and packaging applications including self adhesive labels.

Due to its superior thermal and mechanical properties in comparison to standard BOPP films, SUPLAIN 1021 SGL and 1022 SGL films are a perfect choice for high heat resistant BOPP applications primarily for monomaterial packaging design. It is advised to test it at actual conditions during converting and packaging processes.

Any possible caution for blocking tendency during printing and/or other processes should be taken since the film is both sides treated.

Properties

- High gloss and clarity
- Both sides treated. High treatment on one side
- Excellent stiffness and dimensional stability
- Excellent ink, coating and adhesive adhesion
- Good moisture barrier
- Resistance to chemicals, greases and oils

Technical Features

PROPERTIES	TEST METHOD	UNITS	1021 SGL			1022 SGL			
THICKNESS	ASTM F2251	micron	20	40	50	20	40	50	
		Gauge	80	160	200	80	160	200	
YIELD	ASTM D4321	m ² /kg	54,9	27,5	22,0	54,9	27,5	22,0	
		in ² /Lbs	38.600	19.300	15.500	38.600	19.300	15.500	
UNIT WEIGHT	ASTM D4321	g/m ²	18,2	36,4	45,5	18,2	36,4	45,5	
HAZE	ASTM D1003	%	1,0	1,7	2,2	1,0	1,7	2,2	
GLOSS (45 °)	ASTM D2457	%	95						
TENSILE STRENGTH AT BREAK	ASTM D882	MD	N/mm ²	150					
			lb/in ²	21.800					
		TD	N/mm ²	290					
			lb/in ²	42.000					
ELONGATION AT BREAK	ASTM D882	MD	190						
		TD	60						
THERMAL SHRINKAGE (120 °C, 5 min, air)	ASTM D2732	MD	3						
		TD	1						
COEFFICIENT OF FRICTION	ASTM D1894	Film/Film	0,40						
		Film/Metal	0,30						
SURFACE TENSION	ASTM D2578	Dyne/cm	Treated Side	44			44		
			Other Side	-			38		

“Product Identification (Decision 97/129/EC): PP5”

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

STANDARD ROLL DIMENSIONS			
CORE INNER DIAMETER (ID)	CORE OUTER DIAMETER (OD)	LENGTH TOLERANCE	WIDTH TOLERANCE
76 mm (3 in) & 152 mm (6 in)	530 mm & 790 mm *	± % 5 for ≤ 390 mm OD ± % 10 for > 390 mm OD	- 0 & + 4 mm

* 790 mm OD is available for BOPP films above 350 mm width