

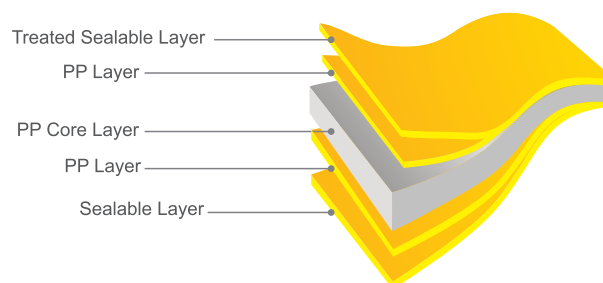
CPOL 221S

One Side Treated and Two Sides Heat Sealable

Transparent CPP Film

- Features:
- Excellent gloss and transparency
 - Excellent hot tack and sealing properties
 - Good machinability
 - Excellent ink and adhesive adhesion
 - One side corona treated

- Application:
- It can be used as a single ply or lamination substrate. Excellent hot tack property allows to use this film in many applications such as bakery, pasta and powder packaging.



Specification	Test Method	Unit	Test Direction	25 μ	30 μ	40 μ
Wetting Tension	ASTM D2578	Dyne/cm	Treated Side	≥ 36		
Tensile Strength	ASTM D882	N/mm ²	MD	90		
			TD	40		
Elongation at Break	ASTM D882	%	MD	500		
			TD	750		
Heat Sealing Threshold	ASTM D1204	%	-	≤ 120		
Gloss	ASTM D2457	%	-	90	85	80
Yield	ASTM F88	$^{\circ}$ C	-	44.0	36.6	27.5
Haze	ASTM D4321	m ² / kg	-	3	3.2	4
Dynamic C.O.F	ASTM D1894	-	Film-Film	0.22		
			Film-Metal	0.18		

MD: Machine direction, TD: Transverse direction

This film complies with the EU and FDA regulations. Specific documents are available upon request.

Polfilm does not guarantee the typical values. Any data included herein is based on the analysis of representative samples and not the actual product shipped. NO guarantee is made regarding information presented in this document. The user is solely responsible for all determinations regarding use and therefore Polfilm denies any responsibility for any loss or damage that may occur from the use of this information.

Polfilm strongly suggests that before any vast usage, make sure to study "Customer's Guide" and test our product in limited amounts.

Storage and Handling:

- Films should be stored on the pallets in a closed dry place and should not be exposed to direct sunlight and heating sources, it means at a safe distance of not less than 1 meter.
- Storage temperature between 10°C to 35°C and in relative humidity less than 60% is recommended in order to minimize the deterioration of the film properties.
- The film should be kept in workplace at least 24 hours before being used.
- It is advisable to manage the inventory according to the delivery dates (first in – first out).
- For more information, please refer to the "customer's guide" document.

Indication of Surface Treatment:

- POLFILM film is usually supplied with treatment on the outside surface that is indicated on the label of each roll, although all films can be supplied either with treatment on the inside surface. Which should be agreed with our sales department before ordering.

Lamination:

- A standard corona test pen should be used to check surface treatment before use of each roll.
- To check accurately of the surface treatment in laboratory, standard corona solution (ASTM D2578) or contact angle measurement (ASTM D5946) can be used.
- If it is required, customers could be retreated during converting process.
- It is recommended to use "Lamtec SL110A /210B" and "Lamtec SB260A/260B", solventless and solvent based respectively as laminator adhesive. For more information, please check www.persiachasb.com

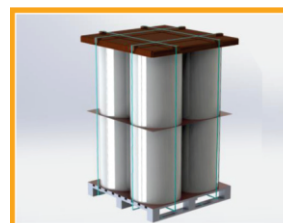
Standard Roll Dimension:

CORE INNER DIAMETER (inch)	ROLL DIAMETER (mm)	WIDTH DIMENSION(mm)	WIDTH TOLERANCE(mm)
3	520 - 540	30 up to 1650	- 0 & +3
6	720 - 770	280 up to 2400	

To calculate the diameter, length and weight of each roll, you can use the calculator on POLFILM website.

Packaging:

- Films are packed vertically or horizontally on pallets.
- Normally, 6-inch rolls are palletized in horizontal direction and 3-inch rolls are palletized vertically depending on the width.
- For more information, please contact our sales department.


Food Contact:

- This film complies with EU and FDA regulations. Specific documents and MSDS are available on request.