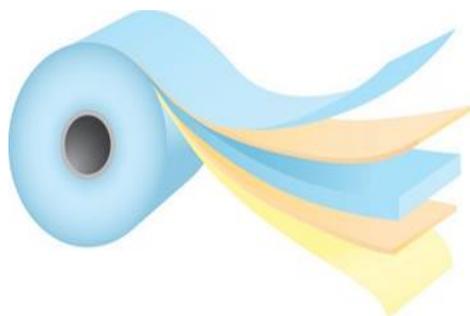


# Sealable Clear BOPP Film

# OPLAR SCL (A01) General Purpose



CORONA TREATED SKIN  
MODIFIED INTERMEDIATE LAYER  
OPP CORE LAYER  
MODIFIED INTERMEDIATE LAYER  
UNTREATED HEAT SEALABLE SKIN

## Product Features

- Good optical & sealing properties
- Good surface treatment retention
- Good odour & barrier properties

OPLAR-SCL A01 grade is Sealable Clear BOPP Film with high gloss for use in printing & lamination applications. Untreated heat seal surface has good seal strength & sealing temperature range. The corona treated side is specifically designed for excellent adhesion of inks and lamination adhesives.

## Typical Applications

- Rotogravure & flexographic printing
- Single web structure
- Snacks & household items

Properties	Unit	Test Method	15	18	20	25	30	35	40		
Nominal Thickness	Micron	Internal	15	18	20	25	30	35	40		
Grammage	g/m <sup>2</sup>	ASTM D 1505	13.7	16.4	18.2	22.8	27.3	31.9	36.4		
Yield	m <sup>2</sup> /kg	Internal	73.3	61.1	54.9	44.0	36.6	31.4	27.5		
Density	g/cc	Internal	0.91								
SURFACE PROPERTIES											
Treatment Level	TI/TO	dyne/cm	ASTM D 2578	38	38	38	38	38	38	38	
Haze		%	ASTM D 1003	1.8	1.8	2	2.2	2.5	2.5	2.5	
Gloss		^45°	ASTM D 2457	85	85	85	85	85	85	85	
Coefficient of Friction	UT/UT	Kinetic	ASTM D 1894	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
MECHANICAL PROPERTIES											
Tensile Strength	MD	kg/cm <sup>2</sup>	ASTM D 882	1300	1300	1300	1300	1300	1300	1300	
	TD			2500	2500	2500	2500	2500	2500	2500	2500
Tensile Elongation	MD	%	ASTM D 882	190	190	190	190	190	190	190	
	TD			60	60	60	60	60	60	60	60
Elastic Modulus	MD	kg/cm <sup>2</sup>	ASTM D 882	18000	18000	18000	18000	18000	18000	18000	
	TD			29000	29000	29000	29000	29000	29000	29000	29000
THERMAL PROPERTIES											
Shrinkage	MD	%	Internal	4	4	4	4	4	4	4	
	TD			2	2	2	2	2	2	2	2
Heat Seal Range	UT	°C	Internal	105-145			106-145		107-145		
Heat Seal Strength	UT/UT	g/25mm	130°C/2 Bar/1 Sec	250	250	250	300	350	350	350	
BARRIER PROPERTIES											
WVTR		g/m <sup>2</sup> /day	ASTM F 1249	7.5	7	6.5	5	4.5	4	3.8	
OTR		cc/m <sup>2</sup> /day	ASTM D 3985	2800	2700	2500	2200	2100	1750	1700	

MD: Machine Direction, TD: Transverse Direction, TI: Treated Inside, TO: Treated Outside, UT: Untreated

**Disclaimer:** The information provided above is based on SRF FLEXIPAK conclusive tests, which are indicative only and provided as guidelines. Customers are solely responsible for the end use in all respects. Customers should verify the suitability of the film for its end use. SRF FLEXIPAK gives no warranty or accepts liability for any loss and fitness of the product for any specific purpose. SRF FLEXIPAK reserves the right to change the technical data sheet at any time for enhancing the quality of the product without prior information.

**Storage Conditions** between 22-30°C & RH 40-60% is recommended in order to minimize the deterioration of the film properties in general. It is advisable to turn out the inventory on FIFO basis. The film should be conditioned in the operating environment for at least 24 hours before processing.

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