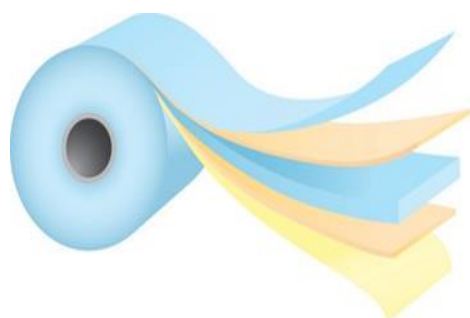


# Non-Heat Sealable Clear BOPP Film

# OPLAR NCL (A05) Decorative Grade



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

## Product Features

- Good surface treatment retention
- Good optical properties
- Suitable for various printing machines

OPLAR-NCL A05 grade is Non-Heat Sealable Clear BOPP film with high gloss and corona treatment for use in gift and decorative applications. The corona treated side is specifically designed for excellent adhesion of inks and lamination adhesives.

## Typical Applications

- Gift-wraps
- Decorative items

Properties		Unit	Test Method	25	30	35
Nominal Thickness		Micron	Internal	25	30	35
Grammage		g/m <sup>2</sup>	ASTM D 1505	22.8	27.3	31.9
Yield		m <sup>2</sup> /kg	Internal	44.0	36.6	31.4
Density		g/cc	Internal	0.91		
<b>SURFACE PROPERTIES</b>						
Treatment Level	TI/TO	dyne/cm	ASTM D 2578	38	38	38
Haze		%	ASTM D 1003	1.8	2	2.5
Gloss		^45°	ASTM D 2457	90	90	90
Coefficient of Friction	UT/UT	Kinetic	ASTM D 1894	0.45	0.45	0.45
<b>MECHANICAL PROPERTIES</b>						
Tensile Strength	MD	kg/cm <sup>2</sup>	ASTM D 882	1250	1250	1250
	TD			2400	2400	2400
Tensile Elongation	MD	%	ASTM D 882	190	190	190
	TD			70	70	70
Elastic Modulus	MD	kg/cm <sup>2</sup>	ASTM D 882	18000	18000	18000
	TD			28000	28000	28000
<b>THERMAL PROPERTIES</b>						
Shrinkage	MD	%	Internal	4	4	4
	TD			2	2	2
<b>BARRIER PROPERTIES</b>						
WVTR		g/m <sup>2</sup> /day	ASTM F 1249	7	6	5
OTR		cc/m <sup>2</sup> /day	ASTM D 3985	2300	2100	1800

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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