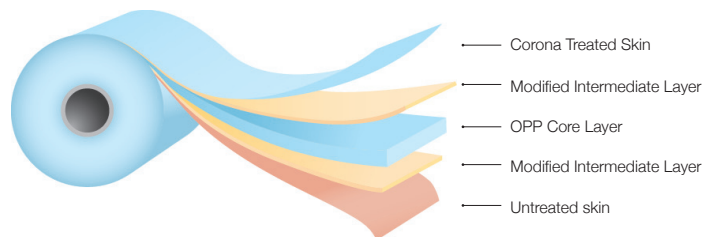


OPLAR-NCL grade is Non Sealable Clear BOPP Film with high gloss and one side corona treatment for use in gift and decorative applications (Application Code-A05). The corona treated side ensures excellent adhesion of inks & lamination adhesives.

APPLICATIONS

- Printing and Lamination
- Gift-wraps and decorative items



PRODUCT FEATURES

- Excellent optical properties
- Good surface treatment retention
- Good anchorage of inks & lamination adhesive

Properties	Test method	Unit	Position	Product Code			
				NCL23	NCL25	NCL28	NCL30
Nominal Thickness	SRF Method	Micron	-	23	25	28	30
Grammage	ASTM D 1505	gm/m ²	-	21	23	25	27
Yield	SRF Method	m ² /kg	-	48	44	39	37
Density	SRF Method	g/cc	-	0.91	0.91	0.91	0.91
MECHANICAL							
Tensile Strength	ASTM D 882	Kg/cm ²	MD	1300	1300	1300	1300
			TD	2500	2500	2500	2500
Elongation at Break		%	MD	150	150	150	150
			TD	50	50	50	50
Elastic Modulus	%	MD	18000	18000	18000	18000	
		TD	28000	28000	28000	28000	
SURFACE							
Treatment Level	ASTM D 2578	dyne/cm	TI/TO	38	38	38	38
Coefficient Of Friction (Max)	ASTM D 1894	Kinetic	UT/UT	0.50	0.50	0.45	0.40
THERMAL							
Shrinkage (Max)	SRF Method	%	MD	4.0	4.0	4.0	4.0
			TD	2.0	2.0	2.0	2.0
OPTICAL							
Haze	ASTM D 1003	%	-	1.8	1.8	2.0	2.0
Gloss	ASTM D 2457	^45°	-	90	90	90	90
BARRIER							
WVTR (Max)	ASTM E 96	gm/m ² /day	-	7.5	7.0	6.5	6.0
OTR (Min)	ASTM D 1434	cc/m ² /day	-	2050	1900	1850	1750

MD - Machine Direction, TD - Transverse Direction | TI - Treatment Inside, TO - Treatment Outside, UT - Untreated

Notes: 1) Corona treated side is available wound inside/outside of the roll - customer to specify accordingly; 2) Above properties can be modified to suit customer's requirement; 3) Unless otherwise specified, the values given above are nominal.

DISCLAIMER

The information provided above is based on SRF FLEXI PAK 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 FLEXI PAK gives no warranty or accepts liability for any loss and fitness of the product for any specific purpose. SRF FLEXI PAK reserves the right to change the technical data sheet at any time for enhancing the quality of the product without prior information. **STORAGE CONDITIONS:** A storage condition between 22 to 30°C and 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.

