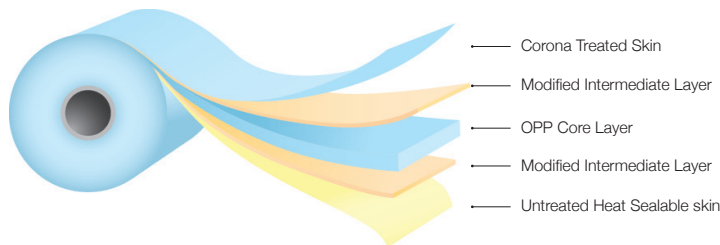


OPLAR-SCL grade is Sealable Clear BOPP Film with high gloss for use in printing and lamination applications (Application Code-A01). The film is available with corona treated to ensure excellent adhesion of inks & lamination adhesives. Untreated heat seal surface has good seal strength and sealing temperature range.

TYPICAL APPLICATIONS

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



PRODUCT FEATURES

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

Properties	Test method	Unit	Position	Product Code					
				SCL15	SCL18	SCL20	SCL25	SCL30	SCL35
Nominal Thickness	SRF Method	Micron	-	15	18	20	25	30	35
Grammage	ASTM D 1505	gm/m ²	-	14	16	18	23	27	32
Yield	SRF Method	m ² /kg	-	73	61	55	44	37	31
Density	SRF Method	g/cc	-	0.91	0.91	0.91	0.91	0.91	0.91
MECHANICAL									
Tensile Strength	ASTM D 882	Kg/cm ²	MD	1200	1200	1200	1200	1200	1200
			TD	2500	2500	2500	2500	2500	2500
Elongation at Break		%	MD	190	190	190	190	190	190
			TD	60	60	60	60	60	60
Elastic Modulus	%	MD	18000	18000	18000	18000	18000	18000	
		TD	29000	29000	29000	29000	29000	29000	
SURFACE									
Treatment Level	ASTM D 2578	dyne/cm	TI/TO	38	38	38	38	38	38
Coefficient Of Friction (Max)	ASTM D 1894	Kinetic	UN/UN	0.35	0.35	0.35	0.35	0.35	0.35
THERMAL									
Shrinkage (Max)	SRF Method	%	MD	4.0	4.0	4.0	4.0	4.0	4.0
			TD	2.0	2.0	2.0	2.0	2.0	2.0
SEALING									
Heat Seal Temp. Range	SRF Method	°C	-	110-145					
Heat Seal Strength	SRF Method	gm/25mm	UT/UT	250	250	300	300	350	350
OPTICAL									
Haze	ASTM D 1003	%	-	1.8	1.8	1.8	2.2	2.5	2.5
Gloss	ASTM D 2457	^45°	-	85	85	85	85	85	85
BARRIER									
WVTR (Max)	ASTM E 96	gm/m ² /day	-	7.5	7.0	6.5	5.0	4.5	4.0
OTR (Min)	ASTM D 1434	cc/m ² /day	-	2800	2700	2500	2200	2100	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.

