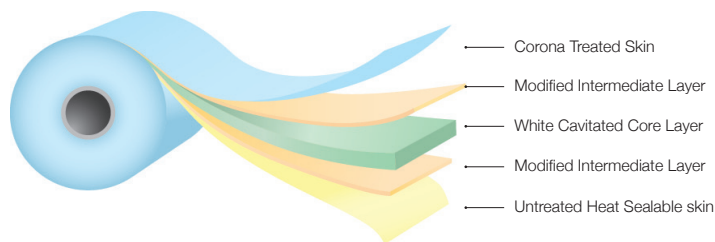


OPLAR-SPW grade is Sealable caviated pearlised BOPP Film with one side heat sealable layer for use in general purpose applications (Application Code-A01). This film is designed to be used as printed/surface printed and unsupported/laminated structures in packaging applications.

## TYPICAL APPLICATIONS

- Bakery and dairy products
- Confectionary (Chocolates,gums)
- Box Wrapping



## PRODUCT FEATURES

- Pearlescent Appearance
- Non Toxic - suitable for food contact
- High gloss on outer surface
- High yield due to low density

Properties	Test method	Unit	Position	Product Code				
				SPW25	SPW30	SPW35	SPW40	SPW45
Nominal Thickness	SRF Method	Micron	-	25	30	35	40	45
Grammage	ASTM D 1505	gm/m <sup>2</sup>	-	19	23	26	30	34
Yield	SRF Method	m <sup>2</sup> /kg	-	53	44	38	33	30
Density	SRF Method	g/cc	-	0.75	0.75	0.75	0.75	0.75
<b>MECHANICAL</b>								
Tensile Strength	ASTM D 882	Kg/cm <sup>2</sup>	MD	700	700	700	700	700
			TD	1400	1400	1400	1400	1400
Elongation at Break		%	MD	160	160	160	160	160
			TD	40	40	40	40	40
Elastic Modulus	%	MD	8000	8000	8000	8000	8000	
		TD	18000	18000	18000	18000	18000	
<b>SURFACE</b>								
Treatment Level	ASTM D 2578	Dyne/cm	TI/TO	38	38	38	38	38
Coefficient of Friction (Max)	ASTM D 1894	Kinetic	UT/UT	0.35	0.35	0.35	0.35	0.35
<b>THERMAL</b>								
Shrinkage (Max)	SRF Method	%	MD	4.0	4.0	4.0	4.0	4.0
			TD	2.0	2.0	2.0	2.0	2.0
<b>SEALING</b>								
Heat Seal Temp. Range	SRF Method	°C	-	110-145				
Heat Seal Strength	SRF Method	gm/25mm	UT/UT	200	250	300	300	300
<b>OPTICAL</b>								
Transmittance	ASTM D 1003	%	-	38	33	30	28	26
Gloss	ASTM D 2457	^45°	-	85	85	85	85	85
<b>BARRIER</b>								
WVTR (Max)	ASTM E 96	gm/m <sup>2</sup> /day	-	8.0	7.5	6.0	5.0	4.5
OTR (Min)	ASTM D 1434	cc/m <sup>2</sup> /day	-	2600	2300	2000	1700	1700

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.

