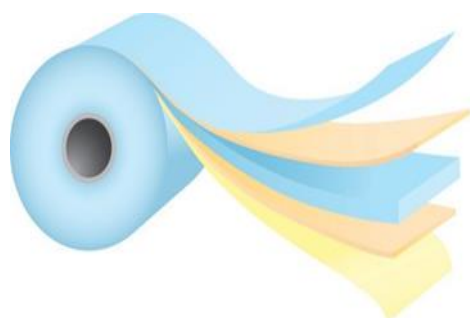


# Sealable Metallised BOPP Film

# OPLAR SM (A01) General Purpose



METALLISED SKIN  
MODIFIED INTERMEDIATE LAYER  
OPP CORE LAYER  
MODIFIED INTERMEDIATE LAYER  
UNTREATED HEAT SEALABLE SKIN

## Product Features

- Good metal adhesion and treatment retention
- Good metal appearance
- Good stiffness and mechanical properties
- Good seal properties

OPLAR-SM A01 grade is Sealable Metallised BOPP film with one side heat sealable layer for use in general purpose applications. The film ensures good moisture and gas barrier properties.

## Typical Applications

- Inner web in lamination
- Confectionary
- Chips and snacks
- Ice-cream and frozen food

Properties	Unit	Test Method	15	18	20	25	30	
Nominal Thickness	Micron	Internal	15	18	20	25	30	
Grammage	g/m <sup>2</sup>	ASTM D 1505	13.7	16.4	18.2	22.8	27.3	
Yield	m <sup>2</sup> /kg	Internal	73.3	61.1	54.9	44.0	36.6	
Density	g/cc	Internal	0.91					
SURFACE PROPERTIES								
Optical Density		Internal	2.2	2.2	2.2	2.2	2.2	
MECHANICAL PROPERTIES								
Tensile Strength	MD	kg/cm <sup>2</sup>	ASTM D 882	1300	1300	1300	1300	1300
	TD			2500	2500	2500	2500	2500
Tensile Elongation	MD	%	ASTM D 882	190	190	190	190	190
	TD			60	60	60	60	60
Elastic Modulus	MD	kg/cm <sup>2</sup>	ASTM D 882	18000	18000	18000	18000	18000
	TD			29000	29000	29000	29000	29000
THERMAL PROPERTIES								
Shrinkage	MD	%	Internal	4	4	4	4	4
	TD			2	2	2	2	2
Heat Seal Range	UT	°C	Internal	105-145			106-145	
Heat Seal Strength	UT/UT	g/25mm	130°C/2 Bar/1 Sec	200	200	250	250	300
BARRIER PROPERTIES								
WVTR		g/m <sup>2</sup> /day	ASTM F 1249	<0.7				
OTR		cc/m <sup>2</sup> /day	ASTM D 3985	<90				

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

**Treatment 38 dyne/cm guaranteed for 3 months from delivery. Recommendation: Please treat boost the film during printing & lamination for better result.**

**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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