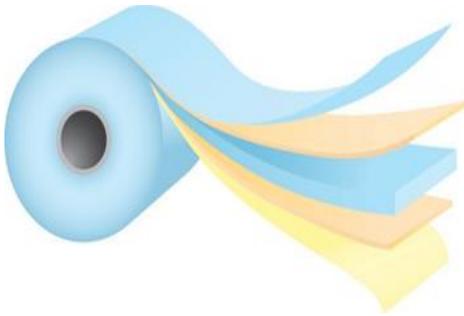


Sealable Metallised BOPP Film

OPLAR SM (B01) High Barrier



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

Product Features

- Good metal adhesion and treatment retention
- Good sealing properties
- Good moisture and oxygen barrier
- Good runability on HFFS and VFFS machines

OPLAR-SM B01 grade is Sealable Metallized BOPP film with one side heat sealable layer for use in general purpose applications. The film ensures enhanced moisture and gas barrier properties. The film performs well on all types of HFFS & VFFS machines.

Typical Applications

- Confectionary, snacks, ice cream & frozen food
- Typically used as an inner web in lamination

Properties		Unit	Test Method	15	18	20	25	30
Nominal Thickness		Micron	Internal	15	18	20	25	30
Grammage		g/m ²	ASTM D 1505	13.7	16.4	18.2	22.8	27.3
Yield		m ² /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 ²	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			70	70	70	70	70
Elastic Modulus	MD	kg/cm ²	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				
Heat Seal Strength	UT/UT	g/25mm	130°C/2 Bar/1 Sec	200	200	250	250	300
BARRIER PROPERTIES								
WVTR		g/m ² /day	ASTM F 1249	≤0.50				
OTR		cc/m ² /day	ASTM D 3985	<50				

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

Printability: Before processing of material refreshment with Corona treatment is strongly recommended. A suitable primer is also recommended when metallised surface is to be printed. Corona Treatment of the metallised film will decay with time & rapidity of the decay will depend upon length of storage & weather conditions. As a result we cannot guarantee for the period for which treatment will remain on the film.

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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