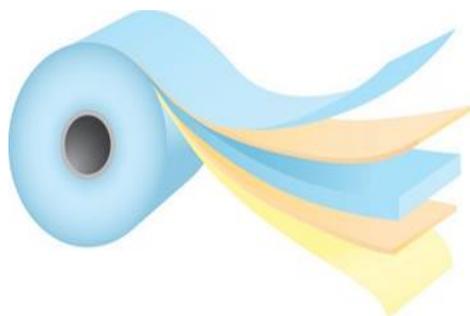


Sealable Matt

BOPP Film

OPLAR

SMA (H04) Standard



CORONA TREATED SKIN
 MODIFIED INTERMEDIATE LAYER
 OPP CORE LAYER
 MODIFIED INTERMEDIATE LAYER
 UNTREATED MATTE SKIN

Product Features

- Non-toxic suitable for food contact
- Matt finish exterior for differentiated shelf appeal
- Good runability on HFFS and VFFS machines
- Good printability and lamination

OPLAR-SMA H04 grade is Sealable Matt Finish BOPP film for matt aesthetics as well as release applications. This film is heat sealable on corona treated glossy side with other side non-heat sealable untreated matt finish surface.

Typical Applications

- Confectionary
- Chips and snacks
- Healthcare and cosmetic

Properties		Unit	Test Method	18	20	25	30	35
Nominal Thickness		Micron	Internal	18	20	25	30	35
Grammage		g/m ²	ASTM D 1505	15.8	17.6	22.0	26.4	30.8
Yield		m ² /kg	Internal	63.1	56.8	45.5	37.9	32.5
Density		g/cc	Internal	0.88				
SURFACE PROPERTIES								
Treatment Level	TI/TO	dyne/cm	ASTM D 2578	38	38	38	38	38
Haze		%	ASTM D 1003	75	75	75	75	75
Gloss	Matte Side	^45°	ASTM D 2457	8-12	8-12	8-12	8-12	8-12
Coefficient of Friction	UT/UT	Kinetic	ASTM D1894	0.4	0.4	0.4	0.4	0.4
MECHANICAL PROPERTIES								
Tensile Strength	MD	kg/cm ²	ASTM D 882	1100	1100	1100	1100	1100
	TD			2200	2200	2200	2200	2200
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	17000	17000	17000	17000	17000
	TD			28000	28000	28000	28000	28000
THERMAL PROPERTIES								
Shrinkage	MD	%	Internal	4	4	4	4	4
	TD			2	2	2	2	2
Heat Seal Range	TR/TR	°C	Internal	115-145				
Heat Seal Strength	TR/TR	g/25mm	130°C/2 Bar/1 Sec	200	200	250	250	300
BARRIER PROPERTIES								
WVTR		g/m ² /day	ASTM F 1249	8	8	6	5	5
OTR		cc/m ² /day	ASTM D 3985	3100	2700	2600	2200	2200

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

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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