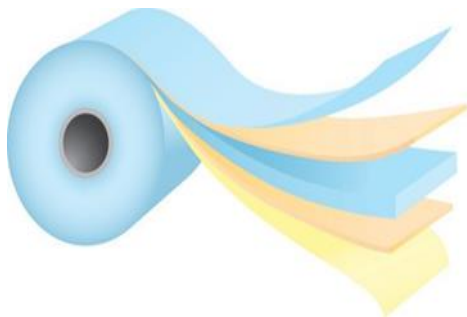


Metallisable BOPP Film

OPLAR SZ (CO2) High COF



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

Product Features

- Good non-slip properties
- Good optical properties
- Good anchorage of inks and lamination adhesive

OPLAR-SZ CO2 grade is High Friction Sealable Metallizable BOPP film. This film is suitable for high laminate bond strength applications. This film is available with untreated side specifically designed for non-slip surface preferably used for woven packaging applications.

Typical Applications

- Rotogravure and flexographic printing
- Suitable for high lamination bond
- Woven packaging

Properties	Unit	Test Method	17	18	20	25	30	
Nominal Thickness	Micron	Internal	17	18	20	25	30	
Grammage	g/m ²	ASTM D 1505	15.5	16.4	18.2	22.8	27.3	
Yield	m ² /kg	Internal	64.6	61.1	54.9	44.0	36.6	
Density	g/cc	Internal	0.91					
SURFACE PROPERTIES								
Haze	%	ASTM D 1003	1.8	2	2	2.2	2.5	
Gloss	^45°	ASTM D 2457	85	85	85	85	85	
Static Charge	kv	ASTM D 2578	<1					
Coefficient of Friction	UT/UT	Kinetic	ASTM D 1894	0.5	0.5	0.5	0.5	0.5
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	180	180	180	180	180
	TD			65	65	65	65	65
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	115-145				
Heat Seal Strength	UT/UT	g/25mm	130°C/2 Bar/1 Sec	250	250	250	300	350
BARRIER PROPERTIES								
WVTR	g/m ² /day		ASTM F 1249	7.5	7	7	6	5
	cc/m ² /day		ASTM D 3985	2300	2300	2200	2100	2000

MD: Machine Direction, TD: Transverse Direction, 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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