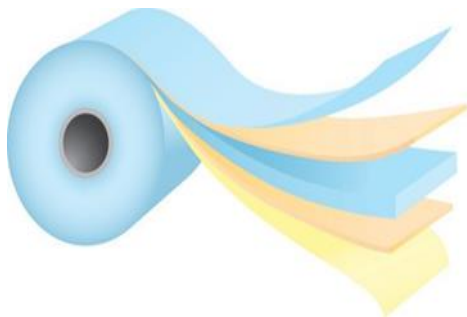


Metallisable BOPP Film

OPLAR SZ (A01) General Purpose



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

Product Features

- Suitable for aluminium metallisation
- Good optical properties
- Good mechanical properties
- Good surface treatment retention

OPLAR-SZ A01 grade is Metallisable BOPP film with one side Corona treatment and with other side heat sealable properties. The film is specially designed for aluminium metallisation.

Typical Applications

- Vacuum metallisation
- Printing and 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								
Haze	%	ASTM D 1003	2	2	2.5	2.5	3	
Gloss	^45°	ASTM D 2457	85	85	85	85	85	
Coefficient of Friction	UT/UT	Kinetic	ASTM D 1894	0.55	0.55	0.55	0.55	
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			60	60	60	60	60
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			106-145	
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	6.5	5	4.5	
OTR	cc/m ² /day	ASTM D 3985	2800	2700	2500	2200	2100	

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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