PRL-LD

PEARLIZE CAVITATED BOTH SIDES HEAT SEALABLE
LOW DENSITY BOPP FILM

Description

Cavitated, 5 Layers, Both Side Heat Sealable, One Side Corona Treated BOPP Film with Excellent Slip and Antistatic Properties. The corona treated side is specifically designed for excellent adhesion of inks and adhesive during conversion.

Applications

Cavitated, 5 Layers, Both Side Heat Sealable, One Side Corona Treated Low Density BOPP Film for Printing and Lamination applications.

Characteristics

- Excellent Opacity
- Brilliant Pearlescent Appearance
- Good Light Protection
- High Yield
- Excellent Hot-Tack and Seal Strength
- Excellent Slip and Antistatic Properties
- Excellent Dimensional Stability
- Excellent Machinability
- Excellent Surface Treatment Retention
- Excellent Adhesion of Inks and Adhesive on Treated Side
- Excellent Mechanical Properties

INSTRUCTIONS

- o Treatment is guaranteed for 3 months if stored at a temperature below 30^{O}C and humidity 45% to 55%.
- o Other properties of the film are guaranteed for 6 months from the date of production.
- o Film should be allowed to reach operating room temperature 24 hours before use.
- o Whilst every endeavour will be made to supply material in accordance with the quality of sample submitted or quoted for but guarantee can only be given for broad parameter compliance.
- o It is recommended that stock should be used on a first-in, first-out basis.

*Available in Inside and Outside Corona Treated, as per the requirement of the customer

TECHNICAL DATA SHEET

PROPERTIES	PRL-LD		UNITS		TEST CONDITIONS
PHYSICAL					
Thickness	25	30	μ		Internal Test Method
Grammage	15.75	18.9	gm/m^2		
Yield	63.5	52.9	M^2/Kg		
Wetting Tension	38	38	Dynes/cm		ASTM D2578
OPTICAL					
Opacity	65	65	%		IPAK Test Method
Gloss at 45° Angle	60	60	%		ASTM D2457
MECHANICAL					
Dynamic C.O.F (NT x NT)	0.3	0.3	-		ASTM D1894
Tensile Strength at Break	8	8	Kgf/mm^2	Machine Direction	ASTM D882
	14	14	Kgf/mm^2	Transverse Direction	
Elongation at Break	140	140	%	Machine Direction	ASTM D882
	60	60	%	Transverse Direction	
THERMAL					
Heat Shrinkage	4.5	4	%	Machine Direction	IPAK 120°C/05 min
	2	2	%	Transverse Direction	
Heat Seal Range	105-140	105-140	°C		IPAK 1 Bar 1 Sec
Heat Seal Strength	140	140	gm/cm		IPAK 1 Bar 1 Sec at 130 °C
BARRIER					
Water Vapour Permeability	6	6	gm/m^2/24 Hrs		ASTM F1249 38 °C, 90% RH
Oxygen Permeability	2200	2100	cc/m^2/24 Hrs		ASTM D3985 23 °C, 0% RH

Outside Treated Sealable Layer
Modified Intermediate Layer 1
Cavitated Core Layer
Modified Intermediate Layer 2
Sealable Layer