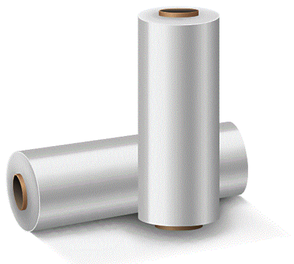


PRL

PEARLIZE CAVITATED BOTH SIDES HEAT SEALABLE BOPP FILM

Description

Cavitated, 5 Layers, Both Side Heat Sealable, One Side Corona Treated BOPP Film with Excellent Slip and Antistatic Properties for Printing & Lamination application. The corona treated side is specifically designed for excellent adhesion of inks and adhesive during conversion. Both the sides exhibit excellent hot-tack and seal strength.

Applications

Cavitated, 5 Layers, Both Side Heat Sealable, One Side Corona Treated Film For Printing and Lamination Application

Characteristics

- Excellent Opacity
- Brilliant Pearlescent Appearance
- Good Light Protection
- High Yield
- Excellent Hot-Tack and Seal Strength on Both Sides
- Excellent Slip and Antistatic Properties
- Excellent Dimensional Stability
- Excellent Machinability

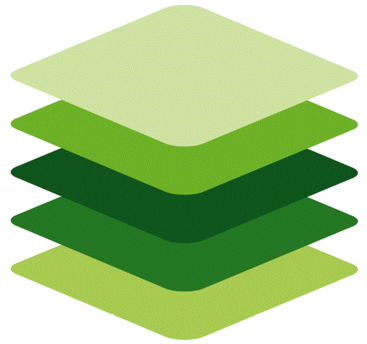
INSTRUCTIONS

- Treatment is guaranteed for 3 months if stored at a temperature below 30°C and humidity 45% to 55%.
- Other properties of the film are guaranteed for 6 months from the date of production.
- Film should be allowed to reach operating room temperature 24 hours before use.
- 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.
- It is recommended that stock should be used on a first-in, first-out basis.

*Available in Inside and Outside Corona Treatment

TECHNICAL DATA SHEET

PROPERTIES	PRL			UNITS		TEST CONDITIONS
PHYSICAL						
Thickness	25	30	40	μ		Internal Test Method
Grammage	18	21.6	28.8	gm/m²		
Yield	55.55	46.3	34.7	M²/Kg		
Wetting Tension	38	38	38	Dynes/cm		ASTM D2578
OPTICAL						
Opacity	55	60	60	%		IPAK Test Method
Gloss at 45° Angle	50	50	50	%		ASTM D2457
MECHANICAL						
Dynamic C.O.F (NT x NT)	0.3	0.3	0.3	-		ASTM D1894
Tensile Strength at Break	8	8	8	Kgf/mm²	MD	ASTM D882
	14	14	14	Kgf/mm²	TD	
Elongation at Break	140	140	140	%	MD	ASTM D882
	60	60	60	%	TD	
THERMAL						
Heat Shrinkage	4	4	3.5	%	MD	IPAK 120°C/05 min
	2	2	1.5	%	TD	
Heat Seal Range	105-140	105-140	105-140	°C		IPAK 1 Bar 1 Sec
Heat Seal Strength	140	140	150	gm/cm		IPAK 1 Bar 1 Sec at 130 °C
BARRIER						
Water Vapour Permeability	6	6	5	gm/m²/24 Hrs		ASTM F1249 38 °C, 90% RH
Oxygen Permeability	2200	2100	2000	cc/m²/24 Hrs		ASTM D3985 23 °C, 0% RH



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