

# HM309

## Metallizable White Voided Base Film



WHITE VOIDED BOPP FILM

**DESCRIPTION :**

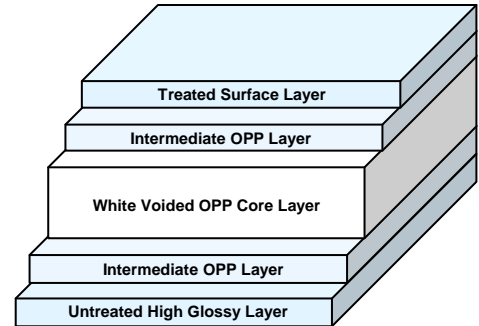
**Gulf Pack LW300** is a white voided BOPP film, with one side high gloss specially designed for wrap around labeling applications. One side treated to suit printing and coating.

**PRODUCT FEATURES :**

- High yield due to lower density
- Excellent opacity & Whiteness
- Excellent antistatic properties
- Excellent hot melt anchorage
- Excellent printability
- High tear and split resistance

**APPLICATIONS :**

Printing and wrap around bottle labeling



PROPERTIES		UNIT	TYPICAL VALUES				TEST METHOD.
PHYSICAL	Thickness	Microns	25	33	38	47	ASTM D 374
		Gauge	118	132	152	188	
	Grammage	g/m <sup>2</sup>	15.5	20.50	23.60	29.14	*GPIM
		lbs/ream	9.5	12.6	14.5	17.9	
	Yield	m <sup>2</sup> /kg	64.52	48.80	42.40	34.30	
		in <sup>2</sup> /lb	45.48	34,400	29,900	24,166	
	Density	g/cc	0.62				
Coefficient of Friction (Film/Film)		0.35	0.35	0.35	0.35	ASTM D 1894	
Surface Tension (Treated Side)	dynes/cm	38	38	38	38	ASTM D 2578	
OPTICAL	Opacity	%	69	72	75	77	ASTM D589-97
	Gloss (45°)		90				ASTM D 2457
MECHANICAL	Tensile Strength at Break	*MD	8				ASTM D 882
		*TD	16				
		MD	11,376				
		TD	22,752				
	Elongation at Break	MD	135				ASTM D 882
		TD	40				
	Modulus of Elasticity	MD	120				ASTM D 882
		TD	205				
MD		170,640					
TD		291,510					
THERMAL	Thermal Shrinkage	MD	< 4.0				GPIM (120°C (248°F), 5 min, air)
		TD	< 2.0				

\* GPIM – Gulf Pack Internal Method

\*MD – Machine Direction

\*TD – Transverse Direction

**Gulf Pack HM309** films comply with EU Regulation 10/2011/EC and USA FDA Code of Federal Regulations CFR21 section 177.1520 (c) 1.1 and are suitable for use in packaging, carrying and transporting foodstuffs.

The information contained in this technical leaflet illustrates typical values only and are to the best of our knowledge. Since the conditions under which our films may be used are beyond our control, such values are declared without warranty or guarantee.

Bi-axially oriented polypropylene films age with time and will exhibit deterioration of some properties if not stored in a suitable environment at a temperature 30°C or below. We strongly advise our customers to use recommended storage conditions and consume products before 6 months from date of production in our plant.

Detailed advice regarding other specific applications of **Gulf Pack HM309** and other films in the Gulf Pack range is available upon request.