

# LW310

White Voided Label Film ( $\rho = 0.73$ )



WHITE VOIDED BOPP FILM

**DESCRIPTION :**

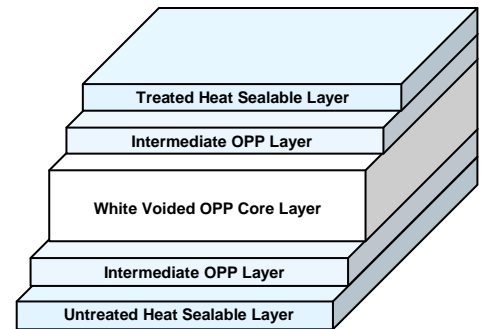
**Gulf Pack LW310** is a white voided film, with one side high gloss specially design for wrap around labeling application, One side treated.

**PRODUCT FEATURES:**

- High yield
- Excellent opacity & whiteness
- Excellent antistatic properties
- Excellent printability
- High tear and split resistance

**APPLICATIONS:**

- Wrap around label (WAL)
- Rotogravure and flexographic (non-UV) printing



PROPERTIES		UNIT	TYPICAL VALUES		TEST METHOD.
PHYSICAL	Thickness	Microns	35	40	ASTM D 374
		Gauge	140	160	
	Grammage	g/m <sup>2</sup>	25.55	29.2	*GPIM
		lbs/ream	15.70	17.94	
	Yield	m <sup>2</sup> /kg	39.14	34.24	
		in <sup>2</sup> /lb	27,576	24,124	
	Density	g/cc	0.73		
Coefficient of Friction (Film/Film)		0.30		ASTM D 1894	
Surface Tension (Treated Side)	dynes/cm	38		ASTM D 2578	
OPTICAL	Opacity	%	70	75	ASTM D589-97
	Gloss (45°)		80		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			
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 LW310** 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.

**Gulf Pack LW310** standard surface treatment location is on the outer side (O); other treatment preference can be arranged upon agreement with the sales representative before order processing.

Detailed advice regarding other specific applications of **Gulf Pack LW310** and other films in the Gulf Pack range is available upon request.