

# i LW301

White Voided Wrap Around Label Film, Ultra High Yield



**Description :**

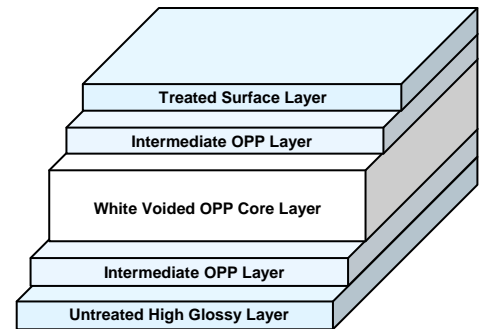
**Gulf Pack LW301** is a white voided film with high glossy side and ultra high yield property ( $\rho = 0.55$ ), specially designed for wrap around labeling applications. One side treated to suit printing and coating.

**PRODUCT FEATURES:**

Ultra high yield due to very low density  
 Excellent opacity & whiteness  
 Excellent antistatic properties  
 Excellent hot melt anchorage  
 Excellent printability  
 High tear and split resistance

**APPLICATIONS:**

Wrap around bottle labeling  
 Rotogravure and flexographic (non-UV) printing



PROPERTIES		UNIT	TYPICAL VALUES			TEST METHOD.
PHYSICAL	Thickness	Microns	33	38	47	ASTM D 374
		Gauge	132	152	188	
	Grammage	g/m <sup>2</sup>	18.15	20.90	25.85	*GPIM
		lbs/ream	11.15	12.84	15.88	
	Yield	m <sup>2</sup> /kg	55.10	47.85	38.70	
		in <sup>2</sup> /lb	38,820	33,712	27,265	
Density	g/cc	0.55				
Coefficient of Friction (Film/Film)		0.35	0.35	0.35	ASTM D 1894	
Surface Tension (Treated Side)	dynes/cm	38	38	38	ASTM D 2578	
OPTICAL	Opacity	%	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 LW301** 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 LW301** 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 LW301** and other films in the Gulf Pack range is available upon request.