

# LW100

## Transparent Wrap Around Label Film (Super Clear)



TRANSPARENT BOPP FILM

**DESCRIPTION :**

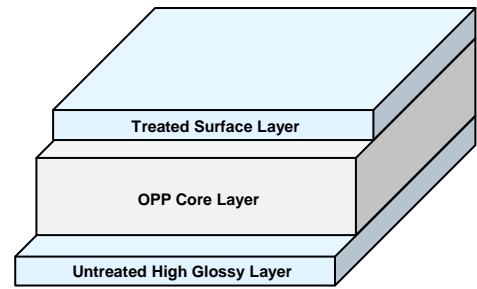
**Gulf Pack LW100** is a transparent BOPP film with excellent optical and mechanical properties. Developed ideally as wrap around labels in bottling line applications.

**PRODUCT FEATURES :**

High transparency and gloss  
 Good mechanical properties  
 Treated side to suit printing and coating  
 Excellent adhesion for glue and inks  
 Good machinability

**APPLICATIONS :**

Labels for bottling products  
 Rotogravure and flexographic (non-UV) printing



PROPERTIES		UNIT	TYPICAL VALUES						TEST METHOD.		
PHYSICAL	Thickness	Microns	30	33	35	37	38	40	ASTM D 374		
		Gauge	120	132	140	148	152	160			
	Grammage	g/m <sup>2</sup>	27.30	30.03	31.90	33.70	34.60	36.40	*GPIM		
		lbs/ream	16.8	18.5	19.6	20.7	21.2	22.4			
	Yield	m <sup>2</sup> /kg	36.63	33.30	31.40	29.70	28.92	27.48			
		in <sup>2</sup> /lb	25,800	23,500	22,100	21,000	20,400	19,400			
	Coefficient of Friction (Film/Film)		0.35						ASTM D 1894		
	Surface Tension (Treated Side)	dynes/cm	38						ASTM D 2578		
OPTICAL	Haze	%	1.5						ASTM D 1003		
	Gloss (45°)		90						ASTM D 2457		
MECHANICAL	Tensile Strength at Break	*MD	kg/mm <sup>2</sup>	16						ASTM D 882	
		*TD		28							
		MD		psi	22,752						
		TD			39,816						
	Elongation at Break	MD	%	190						ASTM D 882	
		TD		50							
	Modulus of Elasticity	MD	kg/mm <sup>2</sup>	210						ASTM D 882	
		TD		380							
MD		psi	298,620								
TD			540,360								
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 LW100** 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 LW100** 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 LW100** and other films in the Gulf Pack range is available upon request.