

# LW325

White Voided Label Film ( $\rho = 0.70$ )



WHITE VOIDED BOPP FILM

**DESCRIPTION :**

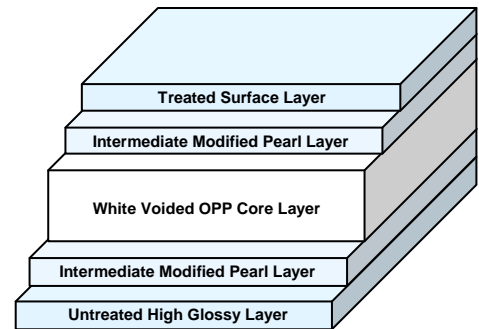
Gulf Pack LW325 is a white voided, with one side high gloss specially designed for wrap around labeling applications. One side treated to suit printing.

**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  
 Rotogravure and flexographic (non-UV) printing



PROPERTIES		UNIT	TYPICAL VALUES			TEST METHOD.
PHYSICAL	Thickness	Microns	33	38	45	ASTM D 374
		Gauge	132	152	180	
	Grammage	g/m <sup>2</sup>	23.1	26.6	31.5	*GPIM
		lbs/ream	14.2	16.35	19.36	
	Yield	m <sup>2</sup> /kg	43.3	37.5	31.7	
		in <sup>2</sup> /lb	30,506	26,420	22,334	
	Density	g/cc	0.70			
Coefficient of Friction (Film/Film)		0.30	0.30	0.30	ASTM D 1894	
Surface Tension (Treated Side)	dynes/cm	38	38	38	ASTM D 2578	
OPTICAL	Opacity	%	70	75	80	ASTM D589-97
	Gloss (45°)			90		ASTM D 2457
MECHANICAL	Tensile Strength at Break	*MD	kg/mm <sup>2</sup>	8		ASTM D 882
		*TD		16		
		MD	psi	11,376		
		TD		22,752		
	Elongation at Break	MD	%	135		ASTM D 882
		TD		40		
	Modulus of Elasticity	MD	kg/mm <sup>2</sup>	120		ASTM D 882
		TD		205		
		MD	psi	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 LW325 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 LW325 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 LW325 and other films in the Gulf Pack range is available upon request.