

# LI315

White Voided In-Mold Label Film, Ultra High Yield



WHITE VOIDED BOPP FILM

**DESCRIPTION :**

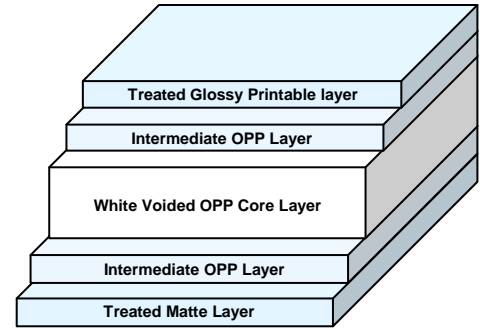
Gulf Pack LI315 is a white voided film, one side glossy and other side matte, both sides treated, with ultra high yield property ( $\rho = 0.58$ ).

**PRODUCT FEATURES:**

Ultra high yield due to very low density  
 Excellent machinability.  
 High gloss in one side and matte on other side  
 Good printability  
 High opacity and high stiffness

**APPLICATIONS:**

In-Mold label  
 Rotogravure & flexographic printing



PROPERTIES		UNIT	TYPICAL VALUES		TEST METHOD.
PHYSICAL	Thickness	Microns	60	70	ASTM D 374
		Gauge	240	280	
	Grammage	g/m <sup>2</sup>	34.8	40.6	*GPIM
		lbs/ream	21.39	24.95	
	Yield	m <sup>2</sup> /kg	28.70	24.60	
		in <sup>2</sup> /lb	20,220	17,331	
	Density	g/cc	0.58		
Coefficient of Friction (Film/Film)		0.35		ASTM D 1894	
Surface Tension (Treated Side)	dynes/cm	38		ASTM D 2578	
OPTICAL	Opacity	%	85		ASTM D 589-97
	Gloss (45°)		70		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	
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 LI315 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 LI315 surface treatment indication is on both sides (B).

Detailed advice regarding other specific applications of Gulf Pack LI315 and other films in the Gulf Pack range is available upon request.