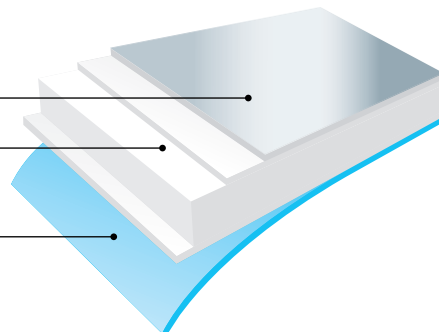


Shining metallized surface

High whiteness layer

Cavitated core

Untreated side



## Technical Data Sheet

### Bi-Oriented PolyPropylene Film (BOPP)

# LLGM

**Developmental film**  
**New cavitation**  
**technology**

## 38 microns

Outstanding metal  
 appearance, high  
 yield cavitated film  
 for wrap around  
 labels

#### Special Features

- High yield metallized
- Superior brilliant metal appearance
- Metal surface free of craze and spots
- Excellent metal adhesion
- High mechanical properties to resist elongation
- Excellent hot melt adhesion and printability
- Alternative cavitation technology

#### Typical Applications

*It is a metallized high yield film with a superior metal appearance.*

*It features a controlled COF and is designed for use in wrap-around labelling applications where outstanding product presentation and optimal machine performance are desired.*

*Metallized surface should be primed to obtain good ink adhesion.*

Properties	Unit	Typical Values	Method
<b>Thickness</b>	micron	38	Manucor - gravimetric
<b>Unit weight</b>	g/m <sup>2</sup>	22,8	Manucor - gravimetric
<b>Yield</b>	m <sup>2</sup> /kg	43,9	Manucor method
<b>Optical density</b>	-	2,4	Tobias densitometer
<b>Tensile strength at break (MD)</b>	N/mm <sup>2</sup>	80	ASTM D 882
<b>Tensile strength at break (TD)</b>	N/mm <sup>2</sup>	135	ASTM D 882
<b>Elongation at break (MD)</b>	%	125	ASTM D 882
<b>Elongation at break (TD)</b>	%	40	ASTM D 882
<b>Tensile modulus of elasticity (MD)</b>	N/mm <sup>2</sup>	1250	ASTM D 882
<b>Tensile modulus of elasticity (TD)</b>	N/mm <sup>2</sup>	2300	ASTM D 882
<b>Shrinkage (MD)</b>	%	≤5	ASTM D 1204 120°C 5'
<b>Shrinkage (TD)</b>	%	≤3	ASTM D 1204 120°C 5'

Rev. Date 13/03/2017 - Please see our website [www.manucor.com](http://www.manucor.com) for the most updated version of this technical data sheet.

Disclaimer : Typical values describe useful product performance and are not intended for specification purposes.