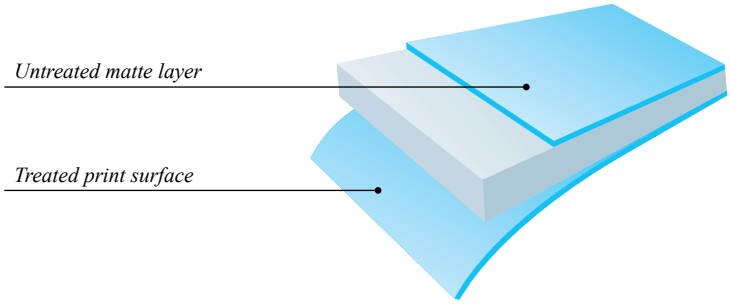
Manucor labels



Technical Data Sheet

Bi-Oriented PolyPropylene Film (BOPP)

LMA

20-30 microns

One-side treated, matte film with a smooth matte, paper-like appearance

Special Features

- Outstanding low gloss and haze on the matte side
- Excellent web flatness without curling
- High surface energy
- Good mechanical properties for enhanced web handling in printing and bottle labeling operations

Typical Applications

Matte labels complement the frosty and refreshing appeal of chilled beverage bottles.
The treated layer can be printed with water or solvent based flexo and gravure inks.
LMA is not recommended for UV inks.

Properties	Unit	Typical Values			Method
Thickness	micron	20	25	30	Manucor - gravimetric
Unit weight	g/m²	18,2	22,7	27,3	Manucor - gravimetric
Yield	m²/kg	54,9	44	36,6	Manucor method
Surface tension	dynes/cm	38	38	≥38	ASTM D 2578
Gloss (Matte)	%	10	10	9	ASTM D 2457 45°
COF Dyn F-F (Untreated / Untreated)	-	0,35	0,35	0,35	ASTM D 1894
Tensile strength at break (MD)	N/mm²	130	130	130	ASTM D 882
Tensile strength at break (TD)	N/mm²	260	260	260	ASTM D 882
Elongation at break (MD)	%	150	150	150	ASTM D 882
Elongation at break (TD)	%	50	50	50	ASTM D 882
Tensile modulus of elasticity (MD)	N/mm²	2000	2000	2000	ASTM D 882
Tensile modulus of elasticity (TD)	N/mm²	3800	3800	3800	ASTM D 882
Shrinkage (MD)	%	≤5	≤5	≤5	ASTM D 1204 120°C 5'
Shrinkage (TD)	%	≤3	≤3	≤3	ASTM D 1204 120°C 5'

Rev. Date 20/03/2017 - Please see our website 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.