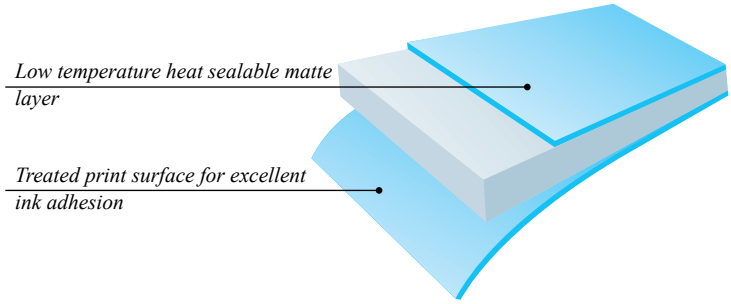
Manucor
food packaging



Technical Data Sheet

Bi-Oriented PolyPropylene Film (BOPP)

MA-L

17-20 microns

One-side treated, one-side matte film with a broad heat seal range

Special Features

- Excellent machinability and wide operating range
- Low seal initiation temperature for broad lap seal range
- Outstanding lap seal strength and integrity
- Uniform matte appearance without optical defects
- Controlled slip properties
- Excellent printability

Typical Applications

Designed for use as the outer web of laminations for HFFS and VFFS applications. It provides a premium, differentiated look when reverse printed.
The matte layer is lap sealable to all Manucor inside webs that are sealable.
The matte surface is not treated and is not recommended for water-based inkjet code-dating.

Properties	Unit	Typical Values		Method
Thickness	micron	17	20	Manucor - gravimetric
Unit weight	g/m²	15.4	18.2	Manucor - gravimetric
Yield	m²/kg	64.6	54.9	Manucor method
Surface tension	dynes/cm	38	38	ASTM D 2578
Gloss (Matte)	%	10	10	ASTM D 2457 45°
COF Dyn F-F (Matte / Matte)	-	0.3	0.3	ASTM D 1894
Tensile strength at break (MD)	N/mm²	130	130	ASTM D 882
Tensile strength at break (TD)	N/mm²	260	260	ASTM D 882
Elongation at break (MD)	%	160	150	ASTM D 882
Elongation at break (TD)	%	50	50	ASTM D 882
Tensile modulus of elasticity (MD)	N/mm²	2000	2000	ASTM D 882
Tensile modulus of elasticity (TD)	N/mm²	3800	3800	ASTM D 882
Heat seal range (Matte)	°C	100-140	100-140	Manucor - 3 bar - 1”
Seal strength (Matte / Matte)	g/cm	230	250	Manucor - 130°C - 3 bar - 1”
Shrinkage (MD)	%	≤5	≤5	ASTM D 1204 120°C 5’
Shrinkage (TD)	%	≤3	≤3	ASTM D 1204 120°C 5’

Rev. Date 24/01/2018- 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.