

15-35 MICRONS BOPP transparent film coextrude face heat sealable on both sides

Carectiristique	UNITS	VALUES					Methods
thickness	micron	15	20	25	30 - 35	40-48	Manucor - gravimetric
unit weight	g/m ²	13,6	18,2	22,7	27,3-31.8	36.5-43.7	Manucor - gravimetric
yield	m ² /kg	73,5	55	44	36,6-31.4	27.4-22.9	method Manucor
treatment	dynes/cm	≥38	≥38	≥38	≥38-≥38	≥≥3838-	ASTM D 2578
opacity	%	2	2	2.5	2.5-2.8	2.8-2.8	ASTM D 1003
brightness	%	82	82	82	82-82	82-82	ASTM D 2457 45°
COF Din F-F (untreated / untreated)	/	0,3	0,3	0,3	0,3-0,3	0,3-0,3	ASTM D 1894
Tensile strength (MD)	N/mm ²	150	150	140	140-130	130-130	ASTM D 882
Breaking load (TD)	N/mm ²	290	290	290	290 -290	-290-290	ASTM D 882
Elongation at break (MD)	%	180	180	200	200-220	220-220	ASTM D 882
Elongation at break (TD)	%	60	60	60	-60-60	-60 60	ASTM D 882
Modulus strength (MD)	N/mm ²	2000	2000	2000	-2000-200 0	-20002000	ASTM D 882
Modulus of elasticity in tension (DT)	N/mm ²	3800	3800	3800	-3800-380 0	-3800-380 0	ASTM D 882
Sealing temperature range (untreated)	°C	105-140	105-140	105-140	105-140 -105-140	105-140-105-140	Manucor - 3 bar - 1''
Seal strength (NT / NT)	g/cm	≥150	≥170	≥200	≥200-200	≥200-200	Manucor 130°C - 3 bar - 1''
Rétraction (MD)	%	≤5	≤5	≤5	≤5	≤5	ASTM D 1204 120°C 5'
Rétraction (TD)	%	≤3	≤3	≤3	≤3	≤3	ASTM D 1204 120°C 5'

APPLICATION: It can be used on a wide range of machines . VFFS, HFFS overpack boxes.

It can be printed in-house and complexed.

In the single-tier applications, it may be printed or unprinted.

Please make appropriate tests to verify .compatibility with your inks.

Key Features • Excellent transparency and gloss

• Wide range of sealing temperature and good seal strength .

• Excellent hot tack • Excellent flatness

• High rigidity and mechanical properties

20-40 MICRONS matte film sealable, one side treated, one side sealable

Carectiristique	UNITS	VALUES				Methods
		20	25	30	40	
thickness	micron	20	25	30	40	Manucor - gravimetric
unit weight	g/m ²	18,2	22.7	27.3	36.4	Manucor - gravimetric
yield	m ² /kg	54.9	44	36.6	27.5	Méthode Manucor
treatment	dynes/c m	≥38	≥38	≥38	≥38	ASTM D 2578
Brightness (Mat)	%	9	9	9	9	ASTM D 2457 45°
COF Din F-F (Mat /Mat)	/	0.35	0,35	0,35	0,35	ASTM D 1894
Tensile strength (MD)	N/mm ²	130	130	130	130	ASTM D 882
Breaking load (TD)	N/mm ²	260	260	260	260	ASTM D 882
Elongation at break (MD)	%	150	150	150	150	ASTM D 882
Elongation at break (TD)	%	50	50	50	50	ASTM D 882
Modulus strength (MD)	N/mm ²	2000	2000	2000	2000	ASTM D 882
Modulus of elasticity in tension (DT)	N/mm ²	3800	3800	3800	3800	ASTM D 882
Sealing temperature range (Mat)	°C	115-140	115-140	115-140	115-140	Manucor - 3 bar - 1''
Seal strength (Mat / Mat)	g/cm	≥180	≥180	≥180	≥180	Manucor - 130°C - 3 bar - 1''
Rétraction (MD)	%	≤5	≤5	≤5	≤5	ASTM D 1204 120°C 5'
Rétraction (TD)	%	≤3	≤3	≤3	≤3	ASTM D 1204 120°C 5'

20-40 MICRONS matte film sealable, one side treated, one side sealable

APPLICATION : Is intended to be used as the outer layer of

HFFS and VFFS complexages for applications. it gives a premium look when printed reverse.

The matte side is designed for heat sealing and not suitable for cold sealing. The matte side is sealable all internal surfaces which are Manucor sealable

Key Features

- uniform matte appearance without optical defects
- Low brightness and opacity of the face matte
- Slip consistent and low for a good behavior Machine
- Smooth surface, satiny appearance paper
- Excellent flatness without undulations

15-35 MICRONS metallized Film sealable to barrier property moderate

Characteristic	UNITS	VALUES					Methods
thickness	micron	15	20	25	30	35	Manucor - gravimetric
unit weight	g/m ²	13,6	18,2	22,7	27,3	31,8	Manucor - gravimetric
yield	m ² /kg	73,6	54,9	44	36,6	31,4	method Manucor
optical density	/	2,2	2,2	2,2	2,2	2,2	Macbeth densitometer
OTR (23 ° C - 0% RH)	cc/m ² /day	100	85	85	85	85	ASTM D 3985
WVTR (38 ° C - 90% RH)	g/m ² /day	0,6	0,55	0,55	0,55	0,55	ASTM F 1249
COF Din F-F (untreated / untreated)	/	0,35	0,35	0,35	0,35	0,35	ASTM D 1894
Tensile strength (MD)	N/mm ²	160	160	160	160	150	ASTM D 882
Breaking load (TD)	N/mm ²	290	290	290	290	290	ASTM D 882
Elongation at break (MD)	%	180	180	180	180	180	ASTM D 882
Elongation at break (TD)	%	60	60	60	60	60	ASTM D 882
Modulus strength (MD)	N/mm ²	2000	2000	2000	2000	2000	ASTM D 882
Modulus of elasticity in tension (DT)	N/mm ²	3800	3800	3800	3800	3800	ASTM D 882
Sealing temperature range (untreated)	°C	105-140	105-140 0	105-140 0	105-140	105-140	Manucor - 3 bar - 1''
Seal strength (NT / NT)	g/cm	≥150	≥170	≥200	≥200	≥200	Manucor 130°C - 3 bar - 1''
Rétraction (MD)	%	≤5	≤5	≤5	≤5	≤5	ASTM D 1204 120°C 5'
Rétraction (TD)	%	≤3	≤3	≤3	≤3	≤3	ASTM D 1204 120°C 5'

APPLICATION - Is used on the inner face for adults complex adhesives. Can be used in sealing applications hot or cold. The sealable surface can be treated by line for cold seal adhesives designed for faces processed. It is sealable to all external sides which are sealable Manucor.

- Key Features**
- Good light barrier
 - Excellent adhesion of the metallization
 - Excellent hot tack and resistance sealing for VFFS applications
 - Stable and low COF on the sealable face
 - High mechanical properties protect the metallized face
 - Shiny Metallic Appearance