OppFilm
CHILE

AM 10
AM 12
AM 15

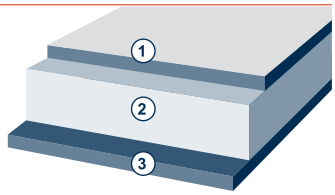
BIORIENTED NYLON FILM

BIORIENTED NYLON FILM , METALLIZED

① **Metallized polyamide**

② **Polyamide Core**

③ **Modified Polyamide**



ATTRIBUTES

- Good barrier Oxygen and Aromas
- Excellent mechanical properties at high and low temperatures
- Excellent toughness and puncture resistance
- High resistance to "Flex crack"
- High performance due to its low specific gravity

USES

AM ( ) metallized, used in multiple laminations, replacing aluminum foil. Recommended in packaging that require very high gas barrier protection and high mechanical and/or chemical,such as those used to package products with migratory components such as tomato sauces, ketchup, mustard and as a barrier to oils and fats. Its also used to vacuum packaging.
It's not recommended to filled products a temperature higher than 50°(hot fill)

THICKNESSES AVAILABLE

PRODUCT	THICKNESS		YIELD	
	µm	Mils	m^2/kg	In^2/Lb
AM 10	10	0.40	86.2	60,604
AM 12	12	0.48	71.84	50,524
AM 15	15	0.60	57.47	40,420

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TECHNICAL INFORMATION

PROPERTIES		UNITS	METHOD	AM 10	AM 12	AM 15
Thickness		µm	DIN 53370	10	12	15
		Mil	DIN 53370	0.40	0.48	0.60
Yield		m^2/kg	ASTM D4321	86.2	71.84	57.47
		In^2/Lb	ASTM D4321	60,604	50.524	40.420
Unit weight		g/m^2	ASTM D4321	11.6	13.92	17.40
BARRIERS						
OTR @23° C (73,4°F) 0% HR		$cc/m^2/day$	ASTM D3985	1	1	1
		$cc/100in^2/day$	ASTM D3985	0.07	0.07	0.07
PHYSICALS						
Tensile resilience	MD	Mpa	ASTM D882	275	275	275
		Kpsi	ASTM D882	35	35	35
	TD	Mpa	ASTM D882	310	310	310
		Kpsi	ASTM D882	45	45	45
Elongation	MD	%	ASTM D882	110	110	110
	TD	%	ASTM D882	80	80	80
Elastic Modulus	MD	Mpa	ASTM D882	3470	3470	3470
		Kpsi	ASTM D882	500	500	500
	TD	Mpa	ASTM D882	2920	2920	2920
		Kpsi	ASTM D882	420	420	420
THERMICALS						
Dimensional stability	MD	%	ASTM D1204	- 2.0	- 2.0	- 2.0
	TD	%	ASTM D1204	- 1.5	- 1.5	- 1.5
COEFFICIENT OF FRICTION						
Film / stainless steel	③/③		ASTM D1894	0.20	0.20	0.20
SURFACE TENSION						
No metallized side	③	Dy/cm	ASTM D 2578	> 42	> 42	> 42
OPTICAL						
Optical density		OD	X-RITE	2.2	2.2	2.2

MD = Machine Direction
TD = Transverse Direction