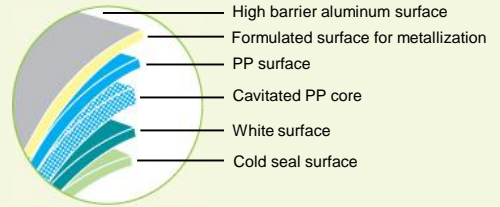


MWE_HBCS



Bioriented Polypropylene Film, metallized white opaque, high barrier to water vapour, designed for printing and/or lamination



Main Characteristics

- Metallized white opaque film, with high opacity, giving protection to light sensitive products
- Non metallized side designed for “cold seal” adhesion
- Excellent barrier against water vapour.
- Great visual appeal

Applications

- “Cold seal” applications for monolayer packages for chocolates and candies
- The metallized side must be protected against the direct contact with food

Typical Values

Properties	Procedure	Unit	MWE_HBCS
Main Properties		SI	MWE22HBCS
UNIT WEIGHT	Vitopel	g/m ²	22,0
NOMINAL THICKNESS	DIN 53370	µm	30,0
YIELD		m ² /kg	45,5
OPTICAL DENSITY	Mac Beth TD904	-	2,4
COEFFICIENT OF FRICTION DYNAMIC - Film/Film - NT/NT	ASTM D 1894	-	0,45
WATER VAPOR TRANSMISSION RATE	ASTM F 1249 38°C (100°F), 90%RH	g/m ² /24h	máx 0,30
OXYGEN TRANSMISSION RATE	ASTM D 3985 23°C (73°F), 0%RH	cm ³ /m ² /24h	50
Descriptive Properties			
TENSILE STRENGTH	ASTM D 882	N/mm ² MD	103
		TD	189
ELONGATION AT BREAK	ASTM D 882	% MD	145
		TD	32
DIMENSIONAL STABILITY	Vitopel 120°C (248°F), 5min	% MD	4,5
		TD	6,2

Notes

- 1 - Abbreviations used: MD – machine directions; TD– transversal directions;
- 2 - The values described above should be considered as a reference and may not be taken as product specification values.
- 3 - The films mentioned above have their outer surface treated. Films with extern treatment (E) or inside (I) may be supplied by previously consulting to the commercial department;
- 4 - It is recommended use the metallized film until two months after the metallization aimed at to diminish the negative effect of the oxidation of the aluminum layer that affects the barrier of the gases
- 5 - The weather conditions can affect metallized surface/ Then, it is necessary the application of “primers” over the metallized surface and / or retreat the film before print or laminate with another web. The above values are average data and should not be taken as final specification, and there is no guarantee for accuracy. The information above is not intended as a representation or warranty of performance properties with respect to these products.

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