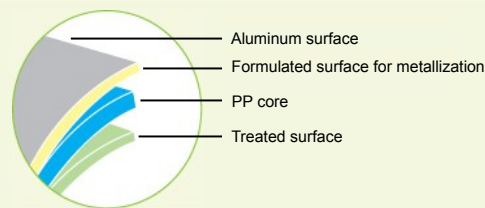




Bioriented Polypropylene Film, metallized, treated on the non metallized side for printing and/or lamination.



Main Characteristics

- Metallized film, giving light protection for sensitive products.
- Non metallized side, treated for printing and / or lamination.
- Good barrier to water and gases.

Applications

- Replacement for polyester on laminated structures.
- Designed for cookies, powdered juice, chocolates, easter eggs and ice cream packages.
- The metallized side must be protected against the direct contact with food.

Typical Values

Properties	Procedure	Unit	MD_		
Main Properties			MD20	MD25	MD30
THICKNESS	DIN 53370	µm	20	25	30
UNIT WEIGHT	Vitopel	g/m ²	18,2	22,8	27,3
YIELD		m ² /kg	54,9	44,0	36,6
OPTICAL DENSITY	Macbeth TD904	-		2,2	
SURFACE TENSION	ASTM D 2578	Dynes/cm		≥ 38	
Descriptive Properties					
COEFFICIENT OF FRICTION DYNAMIC - Film/Film	ASTM D 1894	-		0,42	
TENSILE STRENGTH	ASTM D 882	N/mm ² MD TD		155 300	
ELONGATION AT BREAK	ASTM D 882	% MD TD		190 50	
DIMENSIONAL STABILITY	Vitopel 120°C (248°F), 5min	% MD TD		4,0 1,5	
WATER VAPOR TRANSMISSION RATE	ASTM F 1249 38°C (100°F), 90%RH	g/m ² /24h		0,50	
OXYGEN TRANSMISSION RATE	ASTM D 3985 23°C (73°F), 0%RH	cm ³ /m ² /24h		100	

Notes

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1 - Abbreviations used: DM – machine directions; TD – transversal directions; NT – non treated side.

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 internal treatment (I) may be supplied by previously consulting to the commercial department.

4 - It is recommended use the metallized film until three 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 have influence at metallized surface can be changed. Then, it is necessary the application of "primers" over the metallized surface and / or retreat the film before print or laminate with another substratum.

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.