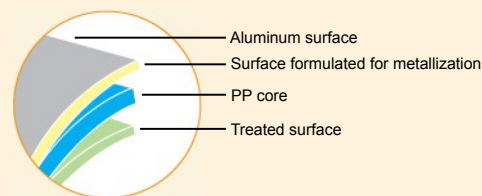




Bioriented Polypropylene Film, metallized, with treatment on internal side for graphic applications



## Main Characteristics

- External side metallized, giving metallized glossy finish to product
- Non-metallized side with high energy treatment for adhesion of water based inks
- Great light barrier
- Gives the final laminated product better tear and abrasion resistance
- Protection against water, oil and fat

## Applications

- Printing on non-metallized side and adhesive or extrusion lamination on metallized side, for graphic applications that requires a glossy metallized finish
- The metallized side must be protected against the direct contact with food.

## Typical Values

Properties	Procedure	Unit	MD_EL
<b>Main Properties</b>			<b>MD20EL</b>
THICKNESS	DIN 53370	µm	20
UNIT WEIGHT	Vitopel	g/m <sup>2</sup>	18,2
YIELD		m <sup>2</sup> /kg	54,9
OPTICAL DENSITY	Mac Beth TD904	-	2,2
SURFACE TENSION	ASTM D 2578	Dynes/cm	≥ 38
<b>Descriptive Properties</b>			
COEFFICIENT OF FRICTION DYNAMIC - Film/Film - T/T	ASTM D 1894	-	0,42
TENSILE STRENGTH	ASTM D 882	N/mm <sup>2</sup> MD	155
		TD	300
ELONGATION AT BREAK	ASTM D 882	% MD	190
		TD	50
DIMENSIONAL STABILITY	Vitopel 120°C / 5min	% MD	4,0
		TD	1,5

## Notes

Revised 2016, Aug

- 1 - Abbreviations used: MD - 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 treatment at external side. Films with treatment at internal side ( I ) may be supplied by previously consulting to Commercial Area.
- 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.

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.