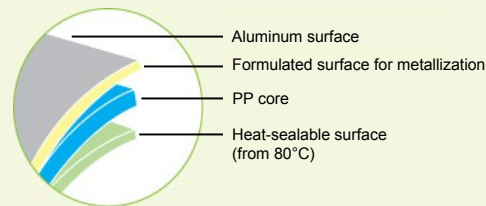


# MS80E\_



Bioriented Polypropylene Film, metallized, heat-sealable from 80°C and good slip on the internal side, designed for printing and/or lamination.



## Main Characteristics

- Metallized film, giving light protection for sensitive products.
- Heat-sealable on both sides, and from 80°C on the non metallized side.
- Good barrier to water and gases.
- Wide operating range on high speed packaging machines.
- Great hermetic seals.
- Non-migratory slip system.

## Applications

- “Flow-pack” or lap seal packaging for cookies, chocolates, candies and ice creams.
- Indicated to replace substratum with acrylic coating for packaging sealing.
- The metalized side must be protected against the direct contact with food.

## Typical Values

Properties	Procedure	Unit	MS80E_	
			MS80E20	MS80E25
<b>Main Properties</b>				
THICKNESS	DIN 53370	µm	20	24
UNIT WEIGHT	Vitopel	g/m <sup>2</sup>	18,2	21,8
YIELD		m <sup>2</sup> /kg	54,9	45,8
OPTICAL DENSITY	Macbeth TD904	-	2,2	
HEAT-SEAL STRENGTH	Vitopel	N/15mm	3,3	3,6
COEFFICIENT OF FRICTION DYNAMIC - Film/Film - NT/NT	ASTM D 1894	-	0,30	
<b>Descriptive Properties</b>				
HEAT-SEAL RANGE	Vitopel	°C	80 - 145	
TENSILE STRENGTH	ASTM D 882	N/mm <sup>2</sup> MD	150	
		TD	280	
ELONGATION AT BREAK	ASTM D 882	% MD	190	
		TD	50	
DIMENSIONAL STABILITY	Vitopel 120°C (248°F), 5min	% MD	4,0	
		TD	2,0	
WATER VAPOR TRANSMISSION RATE	ASTM F 1249 38°C (100°F), 90%RH	g/m <sup>2</sup> /24h	0,50	
OXYGEN TRANSMISSION RATE	ASTM D 3985 23°C (73°F), 0%RH	cm <sup>3</sup> /m <sup>2</sup> /24h	100	

## Notes

Revised 2016, Aug

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.