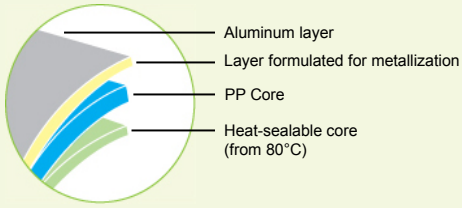
MS80E_B

BOPP Film, metallized, medium barrier, heat-sealable on the inner surface with initial seal temperature of 85°C and with excellent slip, indicated for lamination.



Main Characteristics

- Metallized film, providing protection from light.
- Heat-sealable from 80°C on the non-metallized surface.
- Medium barrier to steam and gas permeation.
- High operating flexibility in automatic packaging equipment.
- Excellent sealing hermeticity.
- Non-migratory slip system.

Applications / Recommendations

- Internal substrate of the *"flow pack"* or side fold for biscuits, chocolates, confections, alfajors, ice creams and soap, in high speed equipment.
- Indicated as an alternative to substrates with acrylic coating for pack sealing.
- The metallized surface should have no direct contact with food.

Typical Values

Properties	Procedure	Unit	MS80E_B
Main properties			**MS80E20B**
THICKNESS GRAMMAGE YIELD	DIN 53370 Vitopel	µm g/m² m²/kg	20 18.2 54.9
OPTICAL DENSITY	Macbeth TD904	-	2.2
SEALING RESISTANCE	Vitopel	N/15mm	3.3
COEFFICIENT OF DYNAMIC FRICTION – Film/Film – NT/NT	ASTM D 1894	-	0.30
Descriptive properties			
SEALING RANGE	Vitopel	ºC	80 – 145
RESISTANCE TO FRICTION IN BREAKS	ASTM D 882	N/mm² MD TD	150 280
STRETCH IN BREAKS	ASTM D 882	% MD TD	190 50
RESIDUAL SHRINKAGE	Vitopel 120ºC, 5min	% MD TD	4.0 2.0
PERMEABILITY TO STEAM	ASTM F 1249 38ºC, 90%RH	g/m²/24h	Maximum of 0.50
PERMEABILITY TO OXYGEN	ASTM F 3985 23ºC, 0%RH	cm³//m²/24h	100

Notes

Review August/16

1 – Abbreviations used: DM – direction of equipment; DT – direction cross-sectional to equipment.
2 – The values described in the table above are not the product specification, but represent the average or typical values for this product.
3 – The films mentioned are metallized on the external surface. Films with metallization on the internal surface (I) can be supplied through prior consultation with the Commercial sector.
4 – The use of metallized films is recommended in the conservation process, within a maximum period of 3 months from the billing date, with the purpose of minimizing the risk of loss of integrity of the metal layer and damages to the barrier properties.
5 - The influence of the climatic conditions in the surface energy of the metallized surface is highly relevant. Therefore, we recommend the application of primers or corona treatment on the metallized surface before printing or laminating with another substrate.