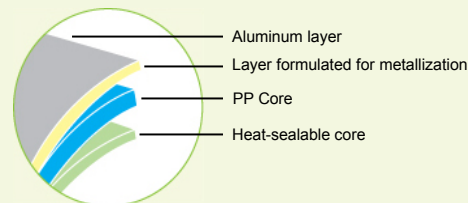


MSE_B



BOPP Film, metallized of medium barrier, heat-sealable on the inner surface, indicated for lamination.



Main Characteristics

- Metallized film, providing protection from light.
- Heat-sealable from 105°C on the non-metallized surface.
- Medium barrier to steam and gas permeation.

Applications / Recommendations

- “Blow pack” type of packaging or side fold for snacks, biscuits, chocolates, confections, ice creams, alfajors, coffee, etc...
- The metallized surface should have no direct contact with food.

Typical Values

Properties	Procedure	Unit	MSE_B
Main properties			
MSE20B			
THICKNESS	DIN 53370	µm	20
GRAMMAGE	Vitopel	g/m ²	18.2
YIELD		m ² /kg	54.9
OPTICAL DENSITY	Macbeth TD904	-	2.4
SEALING RESISTANCE	Vitopel	N/15mm	3.2
COEFFICIENT OF DYNAMIC FRICTION – Film/Film – NT/NT	ASTM D 1894	-	0.26
Water vapor permeability	ASTM F 1249 38°C / 90% UR	g/m ² /24h	Maximum 0,50
Descriptive properties			
SEALING RANGE	Vitopel	°C	105 – 145
RESISTANCE TO FRICTION IN BREAKS	ASTM D 882	N/mm ² MD	155
		TD	285
STRETCH IN BREAKS	ASTM D 882	% MD	195
		TD	60
RESIDUAL SHRINKAGE	Vitopel 120°C, 5min	% MD	4,5
		TD	2,0
PERMEABILITY TO OXYGEN	ASTM F 3985 23°C, 0%RH	cm ³ //m ² /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.

The technical information in this publication is based on our experience and is general in nature. The information provided herein must not be considered or interpreted as guarantee of suitability of the product specified for a purpose or intended use by someone who becomes aware of the said information, except when expressed otherwise by us.