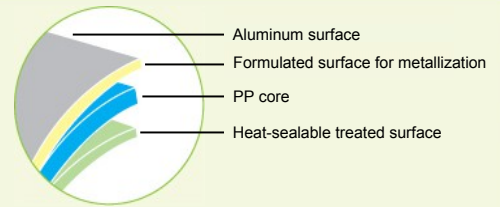


MSD_



Bioriented Polypropylene Film, metallized, heat-sealable from 120°C on the internal side, treatment on the non metallized side for printing and/or lamination



Main Characteristics

- Metallized film, giving light protection for sensitive products
- Heat-sealable on both sides, and from 120°C on the non metallized side
- Good barrier to water and gases

Applications

- “Flow-pack” packages for personal hygiene
- Designed to replace seal layers like polyethylene in laminations
- The metallized side must be protected against the direct contact with food

Typical Values

Properties	Procedure	Unit	MSD_
Main Properties			MSD20
THICKNESS	DIN 53370	µm	20
UNIT WEIGHT	Vitopel	g/m ²	18,2
YIELD		m ² /kg	54,9
OPTICAL DENSITY	Mac Beth TD904	-	2,2
HEAT-SEAL STRENGTH	Vitopel	N/15mm	3,2
SURFACE TENSION	ASTM D 2578	Dynes/cm	≥ 38
Descriptive Properties			
HEAT-SEAL RANGE	Vitopel	°C	120 - 145
COEFFICIENT OF FRICTION DYNAMIC - Film/Film - NT/NT	ASTM D 1894	-	0,42
TENSILE STRENGTH	ASTM D 882	N/mm ² 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
WATER VAPOUR TRANSMISSION	ASTM F 1249 38°C / 90%UR	g/m ² /24h	0,50
OXYGEN TRANSMISSION	ASTM D 3985 23°C / 0%ur	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.