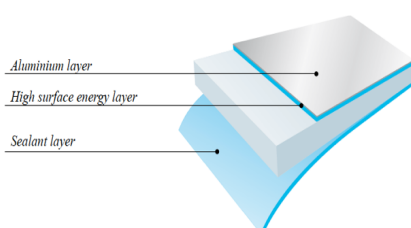


## BIAXIALLY ORIENTED METALLIZED POLYPROPYLENE TECHNICAL SHEET



- Good light barrier combined with excellent adhesion to metals capabilities.
- Excellent hot tack and sealing strength for VFFS applications.
- Low COF stable on the sealing layer.
- High mechanical properties to resist to damages on the metal side
- Shiny metallic appearance

### MATERIAL

Moderate barrier, sealable metallized film

### APPLICATION

Designed for use as the inner web of adhesive laminations. Can be used for heat or cold seal applications. The sealant layer can be treated in-line for cold seal adhesives designed for treated surfaces.

### HEALTH & SAFETY

It complies with EC and FDA regulations. Specific documents and MSDS are available on request. The property values represented in the table do not constitute product specifications, but represent the average or typical values. Use of this information is limited to the specific recipient.

### STORAGE

It does not require special storage conditions. A storage temperature below 30°C is recommended in order to minimise the deterioration of the film properties in general. However, the metal surface treatment is highly affected by environmental conditions and therefore we can only guarantee a metal surface treatment level of 36 mN/m for maximum 15 days after production. It is advisable to turn over the inventory according to the delivery date (first in-first out). The film should be conditioned in the operating environment at least for 24 hours before processing. All other properties are suitable for use up to 6 months from the date of production.

Properties	Unit	Typical Values						Method
Thickness	micron	15	18	20	25	30	35	Bogophane - gravimetric
Unit weight	g/m <sup>2</sup>	13,6	16,4	18,2	22,7	27,3	31,8	Bogophane - gravimetric
Yield	m <sup>2</sup> /kg	73,6	61,1	54,9	44	36,6	31,4	Bogophane method
Optical density	-	2,2	2,2	2,2	2,2	2,2	2,2	Tobias densitometer
OTR (23°C - 0% RH)	cc/m <sup>2</sup> /day	100	85	85	85	85	85	ASTM D 3985
WVTR (38°C - 90% RH)	g/m <sup>2</sup> /day	0,60	0,55	0,55	0,55	0,55	0,55	ASTM F 1249
COF Dyn F-F (Untreated / Untreated)	-	0,35	0,35	0,35	0,35	0,35	0,35	ASTM D 1894
Tensile strength at break (MD)	N/mm <sup>2</sup>	160	160	160	160	160	150	ASTM D 882
Tensile strength at break (TD)	N/mm <sup>2</sup>	290	290	290	290	290	290	ASTM D 882
Elongation at break (MD)	%	180	180	180	180	180	180	ASTM D 882
Elongation at break (TD)	%	60	60	60	60	60	60	ASTM D 882
Tensile modulus of elasticity (MD)	N/mm <sup>2</sup>	2000	2000	2000	2000	2000	2000	ASTM D 882
Tensile modulus of elasticity (TD)	N/mm <sup>2</sup>	3800	3800	3800	3800	3900	3900	ASTM D 882
Heat seal range (Untreated)	°C	105-140	105-140	105-140	105-140	105-140	105-140	Bogophane - 3 bar - 1"
Seal strength (Untreated / Untreated)	g/cm	150	170	170	200	200	200	Bogophane - 130°C - 3 bar - 1"
Shrinkage (MD)	%	≤5	≤5	≤5	≤5	≤5	≤5	ASTM D 1204 120°C 5'
Shrinkage (TD)	%	≤3	≤3	≤3	≤3	≤3	≤3	ASTM D 1204 120°C 5'