

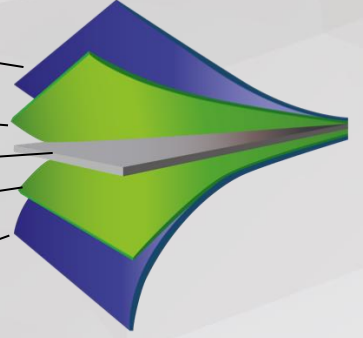
High Gloss Printable Aluminium Layer

Modified Layer

White Opaque Cavitated Core Layer

Modified Layer

Polypropylene Layer  
(Treated for 1132 MPG)



## SUPMET

### 1131 MPG / 1132 MPG

#### Description

SUPMET 1131 MPG and 1132 MPG are high gloss metallized, pearlized, cavitated biaxially oriented polypropylene (BOPP) film. One or both sides treated. No heat seal property.

Specially designed for single ply roll-fed labelling applications with high speed machinability.

High gloss metallic appearance for eye catching graphic designs.

Primering onto metal surface for adequate ink adhesion is highly recommended.

Any possible caution for blocking tendency during printing and/or other processes should be taken since the film is both sides treated.

#### Properties

- Excellent metal adhesion
- Brilliant, high gloss metallic appearance
- Excellent dimensional stability and stiffness
- Low density and high yield
- Resistance to curl
- Excellent ink and/or coating adhesion
- Excellent adhesion to hot melt
- Resistance to chemicals, greases and oils

## Technical Features

PROPERTIES	TEST METHOD	UNITS	1131 MPG	1132 MPG
THICKNESS	ASTM F2251	micron	38	38
		Gauge	152	152
YIELD	ASTM D4321	m <sup>2</sup> /kg	37,6	37,6
		in <sup>2</sup> /Lbs	26.400	26.400
UNIT WEIGHT	ASTM D4321	g/m <sup>2</sup>	26,6	26,6
OXYGEN TRANSMISSION RATE (23°C-0%RH)	ASTM D3985	cc/m <sup>2</sup> /24hrs		100
		cc/100in <sup>2</sup> /24hrs		6,5
WATER VAPOUR TRANSMISSION RATE (38°C-90%RH)	ASTM F1249	g/m <sup>2</sup> /24hrs		0,70
		g/100in <sup>2</sup> /24hrs		0,05
TENSILE STRENGTH AT BREAK	ASTM D882	MD	N/mm <sup>2</sup>	90
			lb/in <sup>2</sup>	13.100
		TD	N/mm <sup>2</sup>	150
			lb/in <sup>2</sup>	21.800
ELONGATION AT BREAK	ASTM D882	MD	%	120
		TD	%	35
THERMAL SHRINKAGE (120 °C, 5 min, air)	ASTM D1204	MD	%	3
		TD	%	1
COEFFICIENT OF FRICTION	ASTM D1894	Film/Film		0,45
		Film/Metal		0,30
SURFACE TENSION	ASTM D2578	Dyne/cm	Metal Side	36
			Other Side	-
OPTICAL DENSITY	MACBETH TD931	-		2,5

### Regulatory Status

Our product complies with the applicable EC legislation on packaging involving direct contact with foods except metallized films. Full details are given on the Regulatory Compliance Certificate and can be found on our web site.

Metallization is a special process and aluminium coated surface is very sensitive to environmental conditions. Even though metal surface tension is above 40 dynes after production, it tends to decrease within time influencing by climatic conditions and storage periods. A guarantee of the duration of surface tension of metallized surface can not be given. We recommend to store metallized films in a dry place and at temperatures below 30°C. It is also advised to use metallized films as 'First in, First Out' principle. In-line treatment and/or priming onto metal surface for adequate ink or coating adhesion is strongly recommended. The metallized surface can normally be laminated with most of the substrates. Other properties of the metallized films are guaranteed for 6 months from the date of production.

The information contained in this data sheet is true and accurate according to current state of our knowledge and intended to give general information on our products and their applications. Above values are to be considered as guidelines and not as product specifications. Since the actual conditions of use are beyond our control, users are advised to make their own tests at their specific conditions of laboratory and/or actual use. We suggest our customers to determine final suitability for their specific end uses.

Also be advised that information on this data sheet shall not be construed as an inducement or recommendation to use any process or to manufacture or use any product in conflict with existing, pending or future patents.

**For related spec sheet with tolerance values, please contact our sales departments**