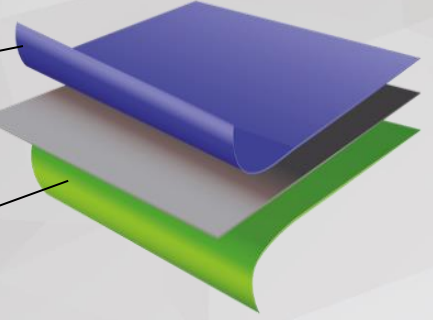


Printable Aluminium Layer

Polypropylene Core Layer

Treated Polypropylene Layer



## SUPMET

### 1032 H

#### Description

SUPMET 1032 H is a metallized, biaxially oriented polypropylene (BOPP) film with improved barrier property. Other side treated. No heat seal property.

Single ply surface print and/or lamination substrate for different applications where excellent barrier properties are essential.

It is recommended to replace aluminium foil in lamination applications with BOPP, BOPET and other substrates such as three ply high barrier packaging structures for coffee, dried food, cream etc.

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 metallic appearance
- Excellent dimensional stability
- Excellent oxygen, moisture and UV light barrier
- Resistance to chemicals, greases and oils
- Low static properties
- Enhanced shelf-life capability
- Aluminium foil replacement

## Technical Features

PROPERTIES	TEST METHOD	UNITS	1032 H	
THICKNESS	ASTM F2251	micron	20	
		Gauge	80	
YIELD	ASTM D4321	m <sup>2</sup> /kg	54,9	
		in <sup>2</sup> /Lbs	38.600	
UNIT WEIGHT	ASTM D4321	g/m <sup>2</sup>	18,2	
OXYGEN TRANSMISSION RATE (23°C-0%RH)	ASTM D3985	cc/m <sup>2</sup> /24hrs	40	
		cc/100in <sup>2</sup> /24hrs	2,6	
WATER VAPOUR TRANSMISSION RATE (38°C-90%RH)	ASTM F1249	g/m <sup>2</sup> /24hrs	0,3	
		g/100in <sup>2</sup> /24hrs	0,02	
TENSILE STRENGTH AT BREAK	ASTM D882	MD	N/mm <sup>2</sup>	160
			lb/in <sup>2</sup>	23.200
		TD	N/mm <sup>2</sup>	290
			lb/in <sup>2</sup>	42.100
ELONGATION AT BREAK	ASTM D882	MD	%	160
		TD	%	60
THERMAL SHRINKAGE (120 °C, 5 min, air)	ASTM D1204	MD	%	3
		TD	%	1
COEFFICIENT OF FRICTION	ASTM D1894	Film/Film		0,40
		Film/Metal		0,25
SURFACE TENSION	ASTM D2578	Dyne/cm	Metal Side	-
			Other Side	38
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 3 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**