

# technical data sheet

## SUPMET

## 1032

### TECHNICAL INFORMATION

#### Structure

Vacuum deposited aluminium layer

Adhesion promoting layer

Polypropylene core layer

Polypropylene layer



#### Description

SUPMET 1032 is a metallized biaxially oriented polypropylene film for general purpose applications. No heat seal property. Two sides treated.

SUPMET 1031, only metallized side treated, version is also available.

SUPMET 1031F, low optical density, version is also available.

SUPMET 1031ME, very low optical density, version is also available.

SUPMET 1032G, gold colored, version is also available.

#### Properties

- Excellent metal adhesion.
- Brilliant metallic appearance.
- Good oxygen, moisture and UV light barrier
- Excellent dimensional stability
- Resistance to chemicals, greases and oils
- Enhanced shelf-life capability
- Low static property

#### Applications

Metallized films for general purpose packaging applications like gift and flower wrapping. Both sides treated version can be used for cold-seal applications as single ply surface print and lamination.

SUPMET 1031F is specially designed for flower wrapping where a different aesthetic property is required with lower OD ( optical density).

SUPMET 1031ME is specially designed for laminated electronic card packaging with very low optical density level.

SUPMET 1032G is gold colored metallized film for lamination and cosmetic cardboard boxes.

## BOPP TECHNICAL PROPERTIES

SUPMET 1032									TEST METHOD
THICKNESS		MICRON	12,5	20,0	25	30	35	40	ASTM D 2673
		GAUGE	49,2	78,7	98,4	118,1	137,8	157,5	
YIELD		m <sup>2</sup> /kg	88	62,8	54,9	43,9	36,6	31,4	ASTM D 2673
		in <sup>2</sup> /Lbs	61870	38669	30935	25732	22076	19334	
TENSILE STRENGTH	MD	N/mm <sup>2</sup>	170						ASTM D 882
		lb/in <sup>2</sup>	24636						
	TD	N/mm <sup>2</sup>	300						
		lb/in <sup>2</sup>	43476						
ELONGATION AT BREAK	MD	%	175						ASTM D 882
	TD	%	65						
THERMAL SHRINKAGE	MD	%	4						ASTM D 1204
	TD	%	2						
COEFFICIENT OF FRICTION		Film/Film	0,40						ASTM D 1894
		Film/Metal	0,25						
OPTICAL DENSITY		%	2						
SURFACE TENSION		Dyn/cm	39/38						ASTM D 2578
OXYGEN PERMEABILITY		cm <sup>3</sup> /m <sup>2</sup> /24hrs	110					100	ASTM D 3985 (23°C,0% RH)
		cc/100in <sup>2</sup> /24hrs	7,1					6,5	
WATER VAPOUR PERMEABILITY		gr/m <sup>2</sup> /24hrs	1					0,7	ASTM E 96 (38°C,90% RH)
		gr/100in <sup>2</sup> /24hrs	0,06					0,05	
HEATSEL RANGE		°F							ASTM F 88
		°C							
HEATSEL STRENGTH		N/15mm							ASTM F 88

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**

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