

technical data sheet

SUPMET 3031

TECHNICAL INFORMATION

Structure

- Vacuum deposited aluminium layer
- Adhesion promoting layer
- Polypropylene core layer
- Sealant layer



Description

SUPMET 3031 is a metallized, coextruded, biaxially oriented polypropylene film for general purpose packaging applications. One side heat sealable. Other side metallized. Metallized side is terated.

Properties

- Excellent metal adhesion.
- Brilliant metallic appearance.
- Good oxygen, moisture and UV light barrier
- Excellent dimensional stability
- Resistance to chemicals, greases and oils
- Broad seal range
- Excellent heat seal strength and hot tack
- Low static properties
- Enhanced shelf life capability.

Applications

Snacks, chips, biscuits, cookies, ice-cream, coffee packaging where the barrier properties are most important. Can be printed and laminated with BOPP, PET and other substrates.



BOPP TECHNICAL PROPERTIES

SUPMET 3031

SUPMET 3031										TEST METHOD
THICKNESS	MICRON	15	17,5	20	25	30	35	40		ASTM D 2673
	GAUGE	59,1	68,9	78,7	98,4	118,1	137,8	157,5		
YIELD	m ² /kg	73,3	62,8	54,9	44	36,6	31,4	27,5		ASTM D 2673
	in ² /Lbs	51535	44153	38598	30935	25732	22076	19334		
TENSILE STRENGTH	MD	N/mm ²	170							ASTM D 882
		lb/in ²	24636							
	TD	N/mm ²	300							
		lb/in ²	43476							
ELONGATION AT BREAK	MD	%	170							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								1310TL017
SURFACE TENSION	Dyn/cm	38								SF1210TL0230 ASTM D 2578
OXYGEN PERMEABILITY	cm ³ /m ² /24hrs	100								ASTM D 3985 (23°C,0% RH)
	cc/100in ² /24hrs	6,5								
WATER VAPOUR PERMEABILITY	gr/m ² /24hrs	0,7								ASTM E 96 (38°C,90% RH)
HEATSEL RANGE	°F	248-293								ASTM F 88
	°C	120-145								
HEATSEL STRENGTH	N/15mm	>2,5								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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