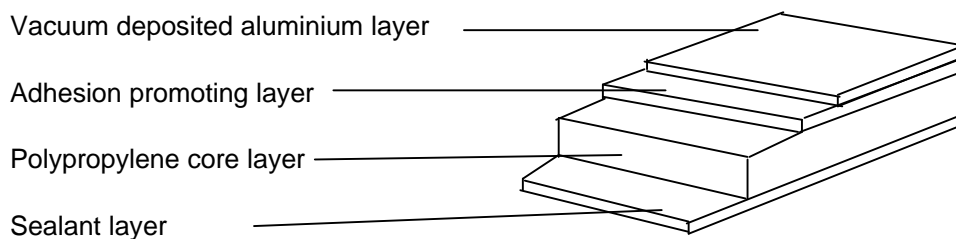


S U P M E T**3 0 3 1 H****TECHNICAL INFORMATION****Structure****Description**

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

Properties

- *Excellent metal adhesion.
- *Brilliant metallic appearance.
- *Excellent 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.

Application

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

BOPP TECHNICAL PROPERTIES**SUPMET 3031 H****TEST METHOD**

THICKNESS	micron		20		SF1210TL350 ASTM D 2673
	Gauge		78,7		
YIELD	m ² /kg		54,9		SF1210TL0210 ASTM D 2673
	in ² /Lbs		38598		

TENSILE STRENGTH	MD	N/mm ²	170		SF1210TL0370 ASTM D 882
		lb/in ²	24636		
	TD	N/mm ²	300		
		lb/in ²	43476		
ELONGATION AT BREAK	MD	%	170		SF1210TL0370 ASTM D 882
	TD	%	60		
THERMAL SHRINKAGE	MD	%	4		SF1210TL0340 ASTM D 1204
	TD	%	2		
COEFFICIENT OF FRICTION (COF)	Film/Film		0,40		SF1210TL0280 ASTM D 1894
	Film/Metal		0,25		
OPTICAL DENSITY	%		2,5		SF1210TL0380 MACBETH TD 931
SURFACE TENSION	Dyn/cm		38		SF1210TL0230 ASTM D 2578
OXYGEN PERMEABILITY	cm ³ /m ² / 24hrs		< 50		ASTM D 1434 (23 C, 0% RH)
	cc/100in ² / 24hrs		< 3,2		
WATER VAPOUR PERMEABILITY	gr/m ² / 24hrs		< 0,4		ASTM E 96 (38 C, 90% RH)
	gr/100in ² / 24hrs		< 0,03		
HEATSEAL RANGE	°F		248-293		SF1210TL0400 ASTM F 88
	°C		120-145		
HEATSEAL STRENGTH	N/15mm		>2,5		SF1210TL0400 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