

One side wide seal range heat sealable, other side treated, metallized BOPP film with high barrier properties.

Properties

- One side aluminium coated by vacuum metalization with excellent adhesion
- Excellent oxygen & moisture barrier
- Brilliant metal appearance

Applications

Designed for high barrier performance packaging applications.

PROPERTIES		TEST CONDITIONS		UNITS	TYPICAL VALUES		
THICKNESS	.....		μ	15	18	20	30
			Gauge	60	72	80	120
THICKNESS TOLERANCE	.....		%	5			
UNIT WEIGHT	ASTM D 2673		g / m²	13.6	16.3	18.1	27.2
YIELD	ASTM D 2673		m² / kg	73.5	61.3	55.2	36.7
HAZE	ASTM D 1003		%	.....		
GLOSS	ASTM D 2457		%	.....		
OPTICAL DENSITY	MACBETH		.....	2.4			
COEFFICIENT OF FRICTION*	ASTM D 1894	B/B*	.....	< 0.50			
		B/M*		< 0.30			
TENSILE STRENGTH	ASTM D 882	MD	N/mm²	120 ± 20			
		TD		270 ± 50			
ELONGATION AT BREAK	ASTM D 882	MD	%	190 ± 40			
		TD		45 ± 10			
HEAT SEAL TEMPERATURE	3 Bar / 0.5 Sec		°C	110 - 145			
SEAL STRENGTH	130 °C / 3 Bar / 0.5 Sec		N / 15mm	> 2.3	> 2.5		> 3.0
WVTR	ASTM F 1249 38 °C / 90% RH		g / m² / day	≤ 0.3			
OTR	ASTM D 3985 23 °C / 0% RH		cm³/m²/day	≤ 50			
TREATMENT LEVEL	ASTM D 2578		dyne / cm	≥ 36			
HEAT SHRINKAGE	130 °C / 7 mIn	MD	%	≤ 5.0			
		TD		≤ 3.0			

*B/B : Nontreated side to nontreated side

*All COF values are dynamic results

*B/M : Nontreated side to metal

Since the climatic and storage conditions influence the metallised surface treatment, the dyne level can not be guaranteed.

In-line corona treatment is recommended for lamination. An adequate primer on the metallized surface is suggested for printing.

The above information is the result of laboratory test which are applied on samples from standart production. Since the varying conditions under which our products used are beyond our control, all of the above results are without guarantee and warranty.

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