

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

## Properties

- One side aluminium coated by vacuum metalization with excellent adhesion
- Low permeability to gases, moisture and light
- Good dimensional stability under varying atmospheric conditions
- Very low COF

## Applications

Widely used in laminate structures for high speed packaging applications where high barrier properties are required.

PROPERTIES	TEST CONDITIONS		UNITS	TYPICAL VALUES			
THICKNESS	.....		μ	15	18	20	25
			Gauge	60	72	80	100
THICKNESS TOLERANCE	.....		%	5			
UNIT WEIGHT	ASTM D 2673		g / m <sup>2</sup>	13.6	16.3	18.1	22.7
YIELD	ASTM D 2673		m <sup>2</sup> / kg	73.5	61.3	55.2	44.0
HAZE	ASTM D 1003		%	.....			
GLOSS	ASTM D 2457		%	.....			
OPTICAL DENSITY	MACBETH		.....	2.2			
COEFFICIENT OF FRICTION*	ASTM D 1894	B/B*	.....	< 0.40			
		B/M*		< 0.25			
TENSILE STRENGTH	ASTM D 882	MD	N/mm <sup>2</sup>	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			
WVTR	ASTM F 1249 38 °C / 90% RH		g / m <sup>2</sup> / day	≤ 0.3			
OTR	ASTM D 3985 23 °C / 0% RH		cm <sup>3</sup> /m <sup>2</sup> /day	≤ 80			
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.