

Both sides treated white pigmented BOPP film.

## Properties

- High protection against light for food packaging
- Whiteness eliminates need of white ink, therefore it reduces problems of residual solvents from printing

## Applications

White film for surface print and also lamination, cold seal and release lacquer applications.

PROPERTIES	TEST CONDITIONS	UNITS	TYPICAL VALUES						
THICKNESS	.....	μ	20	25	28	35	38		
		Gauge	80	100	112	140	152		
THICKNESS TOLERANCE	.....	%	5						
UNIT WEIGHT	ASTM D 2673	g / m <sup>2</sup>	19.2±1.4	24.0±1.7	26.9±2.0	33.6±2.4	36.5±2.8		
YIELD	ASTM D 2673	m <sup>2</sup> / kg	52±4	41.6±3	37.2±2.5	29.7±2	27.3±2		
HAZE	ASTM D 1003	%	.....						
GLOSS	ASTM D 2457	%	55 ± 5						
OPTICAL DENSITY	MACBETH	.....	0.38 ± 0.02			0.46 ± 0.02			
COEFFICIENT OF FRICTION*	ASTM D 1894	B/B*	.....					< 0.45	
		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	.....						
SEAL STRENGTH	130°C / 3 Bar / 0.5 Sec	N / 15 mm	.....						
WVTR	ASTM F 1249 38°C / 90% RH	g / m <sup>2</sup> / day	7.0	6.0	5.5	5.0	4.0		
TREATMENT LEVEL	ASTM D 2578	dyne / cm	≥ 38 (front side), ≥ 36 (back side)						
HEAT SHRINKAGE	130°C / 7 min	MD	%					≤ 5.0	
		TD						≤ 3.0	

\*B : Back side

\*All COF values are dynamic results

\*M : Metal

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.