

# DULL1



Matte side heat sealable, other side treated, matte BOPP film.

## Properties

- One side matte finish surface
- Lower light reflection for easy viewing
- Luxurious feel giving quality image

## Applications

Designed for different look snacks packaging, book cover and other stationary products.

## PROPERTIES TEST CONDITIONS UNITS TYPICAL VALUES

PROPERTIES	TEST CONDITIONS	UNITS	TYPICAL VALUES				
THICKNESS	.....	$\mu$	15	18	20	25	30
		Gauge	60	72	80	100	120
THICKNESS TOLERANCE	.....	%	5				
UNIT WEIGHT	ASTM D 2673	g / m <sup>2</sup>	13.7	16.3	18.1	22.6	27.2
YIELD	ASTM D 2673	m <sup>2</sup> / kg	72.9	61.3	55.2	44.2	36.8
HAZE	ASTM D 1003	%	75 $\pm$ 5				
GLOSS	ASTM D 2457	%	Glossy side 55 $\pm$ 5 Matte side 9.5 $\pm$ 1.5				
OPTICAL DENSITY	MACBETH	.....	.....				
COEFFICIENT OF FRICTION	ASTM D 1894	B/B*	.....	< 0.35			
		B/M*		< 0.25			
TENSILE STRENGTH	ASTM D 882	MD	N/mm <sup>2</sup>	120 $\pm$ 20			
		TD		270 $\pm$ 50			
ELONGATION AT BREAK	ASTM D 882	MD	%	170 $\pm$ 30			
		TD		45 $\pm$ 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	< 6.0				
TREATMENT LEVEL	ASTM D 2578	dyne / cm	$\geq$ 38				
HEAT SHRINKAGE	130°C / 7 min	MD	%	$\leq$ 5.0			
		TD		$\leq$ 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.

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