

# High Barrier Film

VM-PET-1

## Structure:

Al deposit
Primer
BOPET substrate 12micron

## Features:

- Water vapor barrier
- Oxygen barrier
- Light-blocking
- Boilable
- Weather resistance
- Aroma retention
- Suitable for lamination process
- No changes in color, no delamination after boiling

## Application :

- Dry food package
- Pet food packaging
- Snacks, bakery, sauce-package

Item		Specification	Result*	Test Method
Thickness		12±1micron	12.3micron	GB/T 6672-2001
Tensile Strength	MD	≥170Mpa	209Mpa	GB/T 1040.3-2006
	TD	≥170Mpa	227Mpa	
Elongation at break	MD	≤170%	92%	GB/T 1040.3-2006
	TD	≤170%	85%	
Oxygen Transmission Rate OTR (23°C, 50%RH)	Before boiling	≤1cc/m <sup>2</sup> /day	0.7cc/m <sup>2</sup> /day	ASTM D3985
Water Vapor Transmission Rate WVTR (38°C, 90%RH)	Before boiling	≤1g/m <sup>2</sup> /day	0.5g/m <sup>2</sup> /day	ASTM F1249
Optical Density OD value		2.2		
Surface Tension	Coating side	≥42dyn/cm	46dyn/cm	GB/T 14216-2008
	Non coating side	/	32dyn/cm	
Boiling				
95°C, 40 minutes boiling		Compatible		

\* Figures above are only representative values, and not guaranteed values.

\* WVTR, OTR data obtained by Mocon apparatus.

Storage: <40°C, 60%RH, keep cool.

Shelf life: 6 months