

High Barrier Film

VM-BOPP-0.5

Structure:

| |
|-------------------------|
| Al deposit |
| Primer |
| BOPP substrate 12micron |

Features:

- Water vapor barrier
- Oxygen barrier
- Light-blocking
- Weather resistance
- Aroma retention
- Bending resistance

Application :

- Dry food package, for boiling under 100°C
- Pet food packaging
- Snacks, bakery, sauce-package

| Item | | Specification | Result* | Test Method |
|---|---------------------|----------------------------|---------------------------|------------------|
| Thickness | | 12±1micron | 12.3micron | GB/T 6672-2001 |
| Tensile Strength | MD | ≥100Mpa | 112Mpa | GB/T 1040.3-2006 |
| | TD | ≥200Mpa | 207Mpa | |
| Elongation at break | MD | ≤200% | 143% | GB/T 1040.3-2006 |
| | TD | ≤100% | 46% | |
| Oxygen Transmission Rate OTR (23°C, 50%RH) | Single layer | ≤0.5cc/m ² /day | 0.2cc/m ² /day | ASTM D3985 |
| Water Vapor Transmission Rate WVTR (38°C, 90%RH) | Single layer | ≤0.5g/m ² /day | 0.3g/m ² /day | ASTM F1249 |
| Optical Density OD value | | 3.2 | | |
| 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