
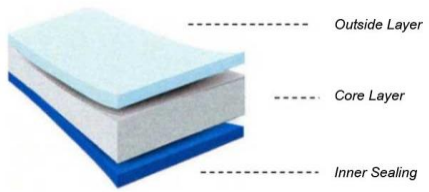


# Qingdao Tongli Packaging Products Co., Ltd

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|  |             |   |  |
|--|-------------|---|--|
| <b>ID</b>  | PLA+PBAT-10 | <b>NAME</b>   | PLA+PBAT film 100 microns intended for inner sealing layer   |
| <p>PLA+PBAT film is a mixing blends of polylactic acid and Polybutylene adipate co-terephthalate (PBAT) which are considered as the most widely used compostable film in the market.</p> |             |  <p style="font-size: small; text-align: center;">Whatsapp: +86 1596981 3136<br/>Email: office@valuepackaging.cn</p> | <p><b>Structure of PLA+PBAT Film</b></p>  |

## TECHNICAL DATA SHEET

| NO. | ITEM                      | STANDARDS                            | UNIT       | TYPICAL VALUE | VIDEO LINK  |   |
|-----|---------------------------|--------------------------------------|------------|---------------|---|---|
| #1  | <b>Thickness</b>          | ASTM-D-374                           | microns    | 100           |   |   |
| #2  | <b>Grammage</b>           | ASTM-D-4231                          | g/m2       | 126           |   |   |
| #3  | <b>Tensile Strength</b>   | ASTM-D-882                           | MD         | Mpa           | 28~28   | <a href="https://www.youtube.com/watch?v=AxLkTxBa4b8">https://www.youtube.com/watch?v=AxLkTxBa4b8</a> |
|     |                           |                                      | TD         | Mpa           | 15~20   | <a href="https://www.youtube.com/watch?v=EwhBwqxJ3Eo">https://www.youtube.com/watch?v=EwhBwqxJ3Eo</a> |
| #4  | <b>Elongation</b>         | ASTM-D638                            | MD         | % @23°C       | 250~300   | <a href="https://www.youtube.com/watch?v=AxLkTxBa4b8">https://www.youtube.com/watch?v=AxLkTxBa4b8</a> |
|     |                           |                                      | TD         | % @23°C       | 400~500   | <a href="https://www.youtube.com/watch?v=EwhBwqxJ3Eo">https://www.youtube.com/watch?v=EwhBwqxJ3Eo</a> |
| #5  | <b>Tear Strength</b>      | ASTM-D1004                           | MD         | N/m           | 80  |   |
|     |                           |                                      | TD         | N/m           | 88  |   |
| #6  | <b>COF</b>                | ASTM-D1894                           | Outer      | @23°C         | .27~.3  | <a href="https://www.youtube.com/watch?v=dUjRqk6o3FQ">https://www.youtube.com/watch?v=dUjRqk6o3FQ</a> |
|     |                           |                                      | Inner      | @23°C         | .25~.28   | <a href="https://www.youtube.com/watch?v=dUjRqk6o3FQ">https://www.youtube.com/watch?v=dUjRqk6o3FQ</a> |
| #7  | <b>Gloss</b>              | ASTM-D-003-61                        | %          | 85            |   |   |
| #8  | <b>Haze</b>               | ASTM-D-003-61                        | %          | 30            |   |   |
| #9  | <b>Wetting Tension</b>    | ASTM F 904                           | N/15mm     | >42           |   |   |
| #10 | <b>Corona Treated</b>     | INTERNAL                             | #          | NO            |   |   |
| #11 | <b>Seal Strength</b>      | ASTM-F-88                            | N/15mm     | 15~20         | <a href="https://www.youtube.com/watch?v=cCGQY11Pkt0">https://www.youtube.com/watch?v=cCGQY11Pkt0</a> |   |
| #12 | <b>Sealing Conditions</b> | 145Celsius degree for 0.5~1S Seconds |            |               | <a href="https://www.youtube.com/watch?v=up3efL5pe1s">https://www.youtube.com/watch?v=up3efL5pe1s</a> |   |
| #13 | <b>Thermal Shrinkage</b>  | GB/T 34848-2017                      | cm         | 5             |   |   |
| #14 | <b>WVTR</b>               | ASTM-F-1249                          | g/m2/24hr  | 40~50         | <a href="https://www.youtube.com/watch?v=81jcwDKiQ44">https://www.youtube.com/watch?v=81jcwDKiQ44</a> |   |
| #15 | <b>OTR</b>                | ASTM D 3985                          | cc/m2/24hr | >700          | <a href="https://www.youtube.com/watch?v=81jcwDKiQ44">https://www.youtube.com/watch?v=81jcwDKiQ44</a> |   |

This film complies to the requirements of EEC directives and FDA regulations, specific documentation and migration test results are available upon request. This technical data sheet is intended to describe the products we are able to provide for our customers, and actual parameters should be subject to the final test report provided by the manufacturer. If you have any questions regarding the test items, just reach us for further assistance.

| PROPERTY   | PROCESSING                             | APPLICATIONS                   |
|--|--|--------------------------------|
| Home compostable☐<br>Semi-opaque☐<br>Good Sealing Strength☐<br>Easy Processing | Printing☐<br>Laminating☐<br>Bag-Making | Coffee☐<br>Foods☐<br>Pet Foods |

**China Manufacturer:**

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