

Qingdao Tongli Packaging Products Co., Ltd

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PRODUCT DESCRIPTION

| PRODUCT PHOTO | ITEMS | DETAILS |
|---|---|--|
|  | PRODUCT-ID | TL-R341 |
| | PRODUCT NAME | Printed-metallized-film-roll-for-energy-bar-pillow-sachet-package |
| | TYPE | Pillow pouch |
| | APPLICATION | Energy Bar |
| | VOLUME | 2g |
| | DIMENSION | W160*L165*500m/roll |
| | FOIL STRUCTURE | PET12/VMPET12///LDPE35 |
| | THICKNESS | 65 microns |
| | CUSTOM | # Custom printing # Matte Lacquer Coating # Roll diameter less than 30cm |
| VIDEO | https://www.youtube.com/watch?v=lkwCR-QcUns | |

EXPLANATION ON FOIL STRUCTURE

PET12: Clear polyester film 12 microns, intended for outside print layer
 VMPET12: Metallized polyester film 12 microns, also equals to 48gauge
 LDPE: Low density polyethylene film human food grade

There will be print inks and adhesive bonding layers which ranges from 2 to 3 gsm with thickness about 2 microns, so the final actual thickness of this foil laminate should be decided upon these factors.

HUMAN FOOD GRADE

All the film materials, ink and adhesive used in our products are human food grade subject to SGS test.

Read here for more <http://www.valuepackaging.cn/human-food-grade/>

SOME TEST FOR REFERENCE

| Serial | TEST | EXPLAIN | POST LINK |
|--------|------|---------|-----------|
| #1 | | | |
| #2 | | | |
| #3 | | | |
| #4 | | | |
| #5 | | | |

TECHNICAL DATA SHEET

| NO. | ITEM | STANDARDS | UNIT | TYPICAL VALUE | VIDEO LINK | |
|-----|-------------------------------|---|------------|---------------|---|---|
| #1 | Dimension Tolerance | Height | INTERNAL | % | ±1% | |
| | | Width | INTERNAL | % | ±1% | |
| | | Gusset | INTERNAL | % | ±5% | |
| | | Seal Width | INTERNAL | % | ±5% | |
| | | Thickness | INTERNAL | % | | |
| #2 | Print Appearance | INTERNAL | | | | |
| #3 | Yield | | grams/m2 | 72 | | |
| #4 | Tensile Strength | MD | ASTM-D-882 | Mpa | 60~80 | https://www.youtube.com/watch?v=ngO10HR-Ob4 |
| | | TD | ASTM-D-882 | Mpa | 60~90 | https://www.youtube.com/watch?v=KMuglZj9e4I |
| #5 | Elongation | MD | ASTM-D638 | % @23°C | 30~40 | https://www.youtube.com/watch?v=ngO10HR-Ob4 |
| | | TD | | % @23°C | 55~65 | https://www.youtube.com/watch?v=KMuglZj9e4I |
| #6 | COF | Static | | @23°C | 0.16 | https://www.youtube.com/watch?v=IR97DoFTORY |
| | | Dynamic | | @23°C | 0.16 | https://www.youtube.com/watch?v=IR97DoFTORY |
| #7 | Solvents Left | ASTM F1884 | mg/m2 | 3-4 | https://www.youtube.com/watch?v=Mm9gYg1IR88 | |
| #8 | Sealing Strength | ASTM F1884 | N/15mm | 46~50 | https://www.youtube.com/watch?v=YPKoQ_O1Eio | |
| #9 | Sealing Conditions | 150-160 Celsius Degree for 1-2S Seconds | | | | |
| #10 | Bond Strength | ASTM F 904 | N/15mm | 3~4 | | |
| #11 | Burst Impact Strength | ASTM D1709 | J | 2.4 | https://www.youtube.com/watch?v=uNTyvXuHuXw | |
| #12 | Anti-Puncture Ability | Q/3700SDXS | N | 13~14 | https://www.youtube.com/watch?v=90TkzxB7A1s | |
| #13 | Drop Test Ability | Q/3700SDXS | cm | 160 | | |
| #14 | Anti-pressure Ability | Q/3700SDXS | kg | 80 | | |
| #15 | Water Vapor Transmission Rate | ASTM E 96 | g/m2/24hr | 1.05 | https://www.youtube.com/watch?v=81jcwDKiQ44 | |
| #16 | Oxygen Transmission Rate | ASTM D 372-99 | cc/m2/24hr | 0.95 | https://www.youtube.com/watch?v=81jcwDKiQ44 | |

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.

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Take Around Our Factory

<https://www.youtube.com/watch?v=Dxo85MAECtw>