


## PRODUCT DESCRIPTION

| PRODUCT PHOTO   | ITEMS          | DETAILS   |           |
|---|----------------|---|-----------|
|    | PRODUCT-ID     | TL-9  |           |
|   | PRODUCT NAME   | 100ml aluminum foil spout pouch for apple juice   |           |
|   | TYPE           | Bottom Gusset   |           |
|   | APPLICATION    | Juice   |           |
|   | VOLUME         | 100ml   |           |
|   | DIMENSION      | W85 X H130+ BG60mm  |           |
|   | FOIL STRUCTURE | PET12/AL7/PA15//LDPE80  |           |
|   | THICKNESS      | 120 microns   |           |
|   | CUSTOM         | # Custom print # 8.6mm Spout, Single Channel, Nature Color<br># Rounded Corners                       |           |
|   | VIDEO          | <a href="https://www.youtube.com/watch?v=ndpiZ6P5WvQ">https://www.youtube.com/watch?v=ndpiZ6P5WvQ</a> |           |
| <b>EXPLANATION ON FOIL STRUCTURE</b>  |                |   |           |
| <p>PET12: Clear polyester film 12 microns, intended for outside print layer<br/>           AL7: Aluminum foil metal sheet, 7 microns, human food grade<br/>           PA15: Biaxially orientated polyamide film, also called nylon film 15 microns<br/>           LDPE: Low density polyethylene film human food grade</p> <p>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.</p> |                |   |           |
| <b>HUMAN FOOD GRADE</b>   |                |   |           |
| <p>All the film materials, ink and adhesive used in our products are human food grade subject to SGS test.<br/>           Read here for more <a href="https://www.valuepackaging.cn/human-food-safety/">https://www.valuepackaging.cn/human-food-safety/</a></p>  |                |   |           |
| <b>SOME TEST FOR REFERENCE</b>  |                |   |           |
| 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   | 134           |   |   |
| #4  | Tensile Strength               | MD                                 | ASTM-D-882 | Mpa           | 34~36   | <a href="https://www.youtube.com/watch?v=I2tB5kDK1UE">https://www.youtube.com/watch?v=I2tB5kDK1UE</a> |
|     |                                | TD                                 | ASTM-D-882 | Mpa           | 44~46   | <a href="https://www.youtube.com/watch?v=pjGIH92TyCE">https://www.youtube.com/watch?v=pjGIH92TyCE</a> |
| #5  | Elongation                     | MD                                 | ASTM-D638  | % @23°C       | 60~80   | <a href="https://www.youtube.com/watch?v=I2tB5kDK1UE">https://www.youtube.com/watch?v=I2tB5kDK1UE</a> |
|     |                                | TD                                 |            | % @23°C       | 60~80   | <a href="https://www.youtube.com/watch?v=pjGIH92TyCE">https://www.youtube.com/watch?v=pjGIH92TyCE</a> |
| #6  | COF                            | Static                             |            | @23°C         | 0.18  | <a href="https://www.youtube.com/watch?v=iBeOO-jKONw">https://www.youtube.com/watch?v=iBeOO-jKONw</a> |
|     |                                | Dynamic                            |            | @23°C         | 0.15  | <a href="https://www.youtube.com/watch?v=iBeOO-jKONw">https://www.youtube.com/watch?v=iBeOO-jKONw</a> |
| #7  | Solvents Left                  | ASTM F1884                         | mg/m2      | 4             | <a href="https://www.youtube.com/watch?v=Mm9gYg1IR88">https://www.youtube.com/watch?v=Mm9gYg1IR88</a>   |   |
| #8  | Sealing Strength               | ASTM F1884                         | N/15mm     | 90~115        | <a href="https://www.youtube.com/watch?v=qS6-gEFqxg0">https://www.youtube.com/watch?v=qS6-gEFqxg0</a>   |   |
| #9  | Sealing Conditions             | 170~180Celsius for 1.2~1.8 Seconds |            |               | <a href="https://www.youtube.com/watch?v=7De5-jiVTVY">https://www.youtube.com/watch?v=7De5-jiVTVY</a>   |   |
| #10 | Bond Strength                  | ASTM F 904                         | N/15mm     | 5-6           |   |   |
| #11 | Burst Impact Strength          | ASTM D1709                         | J          | 1.7~2.2       | <a href="https://www.youtube.com/watch?v=ti65RX8ib_I">https://www.youtube.com/watch?v=ti65RX8ib_I</a>   |   |
| #12 | Anti-Puncture Ability          | Q/3700SDXS                         | N          | 14~18         | <a href="https://www.youtube.com/watch?v=MMoVlieDyF4">https://www.youtube.com/watch?v=MMoVlieDyF4</a>   |   |
| #13 | Drop Test Ability              | Q/3700SDXS                         | cm         | 160           | <a href="https://www.youtube.com/watch?v=ahCeyeZL5vc&amp;list=PLpcw8Qm6fL1JCis8J44ZCN9rGg7QeJOHw&amp;index=15">https://www.youtube.com/watch?v=ahCeyeZL5vc&amp;list=PLpcw8Qm6fL1JCis8J44ZCN9rGg7QeJOHw&amp;index=15</a> |   |
| #14 | Anti-pressure Ability          | Q/3700SDXS                         | kg         | 80            |   |   |
| #15 | Water Vapor Transimission Rate | ASTM E 96                          | g/m2/24hr  | 0.01          | <a href="https://www.youtube.com/watch?v=81jcwDKiQ44">https://www.youtube.com/watch?v=81jcwDKiQ44</a>   |   |
| #16 | Oxygen Transmission Rate       | ASTM D 372-99                      | cc/m2/24hr | 0.01          | <a href="https://www.youtube.com/watch?v=81jcwDKiQ44">https://www.youtube.com/watch?v=81jcwDKiQ44</a>   |   |

This technical data sheet is intended to describe the products we are able to provide for our customers, and actual specifications and 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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