

Spec. Sheet

| Properties | Unit | ASTM | Result |
|------------------------------------|-----------------------|--------|--|
| Material | - | - | LLDPE (Linear low-density polyethylene) |
| Weight | gr/m2 | - | 90 |
| Color | - | - | Transparent (milky) |
| Dimensions | cm | - | 130x75cm |
| Oxygen Gas Transmission Rate (OTR) | cm3 / (m2 - 24hr·atm) | D-3985 | 1 928 |
| Haze | % | D-1003 | 24.17 |
| Electrical Resistance | Ω | D-257 | 2.8 x 10 ³ |
| Volume Resistivity | Ω·cm | | 1.2 x 10 ² |
| Tensile Strength | N/mm2 | D-882 | 36 |
| Elongation | % | | 853 |
| Appearance | - | - | Normal |
| Density (@23°C) | g/cm3 | - | 0.92 |
| Reusable / Recyclable | - | - | Yes |

PREMIUM
HERMETIC BAG



TAKE CARE OF YOUR PRODUCTS!



 *No risk due to humidity*

It protects your commodity from water and humidity, helping to preserve high concentrations of CO₂ and low levels of O₂.

 *Prevents pests*

 *Prevents fungi*

Reduce post-harvest losses.
No unwanted infestations.*

 *Preserve quality and freshness*

Creates a modified atmosphere that provides total isolation from the outside environment.

1. ROHS & CE MARK TEST REPORT (KOTITI)

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KOTITI RoHS, Unit: mg/kg (EU Directive 2011/65/EU, 2015/863/EU)

| Test Conducted | Test Method | RL | Test Results |
|---|--|----|--------------|
| | | | 1 |
| Lead (Pb) | IEC 62321-5:2013 (Acid digestion and determined by ICP-OES) | 5 | N.D. |
| Cadmium (Cd) | IEC 62321-4:2013 (Acid digestion and determined by ICP-OES) | 2 | N.D. |
| Mercury (Hg) | IEC 62321-4:2013 (Acid digestion and determined by ICP-OES) | 1 | N.D. |
| Hexavalent Chromium (Cr ⁶⁺) | IEC 62321-7-2:2017 (Solvent extraction and determined by UV-VIS) | 8 | N.D. |

GPF-16-08(rev.00) KOTITI Testing & Research Institute

특허증

CERTIFICATE OF PATENT

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발명·의뢰자 Inventor / File of the Invention
비닐 포장재

특허(권) 등록사항에 기재
등록사항에 기재

발명자 Inventor
등록사항에 기재

위의 발명은 「특허법」에 따라 특허등록원부에 등록되었음을 증명합니다.
This is to certify that, in accordance with the Patent Act, a patent for the invention has been registered at the Korean Intellectual Property Office.

2020년 01월 31일

특허청장
COMMISSIONER,
KOREAN INTELLECTUAL PROPERTY OFFICE

박원주

특허청
Korean Intellectual Property Office

2. LATINA TECH PATENT - KIPO

3. TESTS RESULTS FOR FDA (KOPTRI)

Table 1. Test Sample Information

| No. | Sample Name | Koptri ID | Picture of the Sample |
|-----|-------------|----------------------|-----------------------|
| 1 | PE | Koptri-19-08-10930-1 | |

Note 1) Sample Processing : Koptri () / Client (O)

Note 2) Sample name in the Application : PE Transparent Envelope

Table 2-1. Test Result (OTR)

| Koptri ID | Test Item | Unit | Test Method | Test Result |
|----------------------|------------------------------|---|------------------------------|-------------|
| Koptri-19-08-10930-1 | Oxygen gas transmission rate | cm ³ /(m ² ·24hr·atm) | With reference to ASTM D3985 | 1.928 |

Note) Sample Thickness - Koptri-19-08-10930-1 : 0.089 mm

Table 2-2. Test Result (Haze)

| Koptri ID | Test Item | Unit | Test Method | Test Result |
|----------------------|-----------|------|------------------------------|-------------|
| Koptri-19-08-10930-1 | Haze | % | With reference to ASTM D1003 | 24.17 |

Table 2-3. Test Result (Electrical Resistance)

| Koptri ID | Test Item | Unit | Test Method | Test Result |
|----------------------|--------------------|------|-------------|-----------------------|
| Koptri-19-08-10930-1 | Resistance | Ω | ASTM D257 | 2.8 x 10 ³ |
| | Volume Resistivity | Ω·cm | ASTM D257 | 1.2 x 10 ⁴ |

Note) Applied Voltage : 500 V, RCF(Volume Resistivity) : 19.63

