

Description

- Biopolymer print web film for use in multi-layer flexible packaging
- Can be printed gravure, flexo (solvent, water and UV), rotary UV offset and digital performance
- High heat resistance
- Lap seals with other biopolymers
- Industrially Compostable: compliant to ASTM D6400 / EN 13432

| Applications | Features |
|--------------------|----------------------------------|
| Flexible Packaging | Lap seals with other biopolymers |
| Film | High Heat Resistance |

Sustainability

Bio-Based Content 90%
 Compostability Industrially Compostable

Film Properties

| | | | |
|-------------------------------|-------------------------|------------|---------------------------------------------------------------------|
| Coefficient of Friction (CoF) | 0.38 | ASTM D1894 | Static, Film |
| Coefficient of Friction (CoF) | 0.34 | ASTM D1894 | Kinetic, Film |
| Coefficient of Friction (CoF) | 0.25 | ASTM D1894 | Static, Film/Metal |
| Coefficient of Friction (CoF) | 0.2 | ASTM D1894 | Kinetic, Film/Metal |
| Dyne Level | 38 Dynes/cm | ASTM D2578 | |
| Film Thickness | 20 μm | ASTM D4321 | |
| Gloss | 80 G. U. | ASTM D523 | |
| Haze | 24 % | ASTM D1003 | |
| Seal Initiation Temperature | 102 °C | | (20μ sealed to itself) Single sided jaw heat, 0.25 seconds, 60 psi) |
| Tensile Elongation | 350 % | ASTM D882 | Machine Direction |
| Tensile Elongation | 350 % | ASTM D882 | Transverse Direction |
| Tensile Modulus | 1793 MPa | ASTM D882 | Machine Direction |
| Tensile Modulus | 1931 MPa | ASTM D882 | Transverse Direction |
| Tensile Strength | 55 MPa | ASTM D882 | Machine Direction |
| Tensile Strength | 55 MPa | ASTM D882 | Transverse Direction |
| Yield | 40.1 m ² /kg | ASTM D4321 | |

Thermal Properties

| | | |
|----------------|-----|------------------------------------------|
| Heat Stability | 0 % | 71°C @ 24 hours circulation hot air oven |
|----------------|-----|------------------------------------------|

Optical Parameters

| | | |
|--------------------------------|------|------------|
| Light Transmittance | 91 % | ASTM D1003 |
| Optical Clarity (Transparency) | 85 % | ASTM D1746 |

Processing Methods

Film Extrusion

Notes

Estimated Properties

Properties identified as 'Estimated**' have been estimated from the generic equivalent. These are provided for comparative purposes and are not reflective of the actual grade as the relevant data is not available.

Storage Recommendations

Keep dry at ambient temperature. Store indoors avoiding a humid environment, heat and direct sunlight. Use material within 6 months after delivery date, in order to prevent possible material quality deterioration.

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