

LLDPE

4141C

LLDPE for stretch wrap

Application

Film, Wrap film, General film

Characteristics

Excellent mechanical properties, Excellent optical properties (transparency, gloss), Low Fisheye

Physical properties

| Item | Test Method | Unit | Typical Value |
|-----------------------|--------------------------------|-------------------|---------------|
| Melt index | ASTM D1238 (190°C, 2.16kg) | g/10min | 2.4 |
| Density | ASTM D1505 | g/cm ³ | 0.92 |
| Vicat softening point | ASTM D1525 | °C | 93 |

Note) Data shown above are representative values for reference purposes only, and not to be construed as specifications.

Film properties

| Item | Test Method | Unit | Typical value |
|--------------------------------|-------------|--------------------|---------------|
| Tensile strength at break (MD) | ASTM D882 | kg/cm ² | 380 |
| Tensile strength at break (TD) | ASTM D882 | kg/cm ² | 230 |
| Elongation at break (MD) | ASTM D882 | % | 510 |
| Elongation at break (TD) | ASTM D882 | % | 625 |
| Elmendorf tear strength (MD) | ASTM D1922 | kg/cm ² | 110 |
| Elmendorf tear strength (TD) | ASTM D1922 | kg/cm ² | 200 |
| Dart drop impact strength | ASTM D1709 | g | 100 |
| Haze | ASTM D1003 | % | 0.9 |

Note: The above data is the result of measuring a 38 µm film.

Processing conditions

| Item | Unit | Typical value |
|-------------------------|------|---------------|
| Hopper unit | °C | 170 ~ 190 |
| Cylinder temperature | °C | 180 ~ 230 |
| Head temperature | °C | 200 ~ 250 |
| Temperature of Die unit | °C | 220 ~ 250 |

※ Actual temperature conditions vary depending on extruder conditions such as screw type and die structure, film standard, extrusion amount, etc.

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