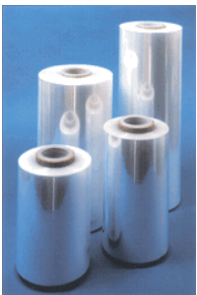


Thin-Wall Low Density Polyethylene Film 2:1 Blow-up Ratio



A thin wall, PELD is particularly suitable for the production of high quality, general purpose packing film and thin bags, including bread bags. It offers high slip film with easy opening properties when used pure in the thickness range 40~60 μm .

- Excellent optical properties
- Good drawdown
- Suitable for high quality printing
- Melting Temperature 180°C
- 2:1 Blow-up Ratio



The worldwide tubing solution

Shrink Sleeve Limited is a leading company providing electrical and mechanical heat shrink tubes for a variety of industries and applications. Starting from products created by extensive developmental research.

Shrink Sleeve Limited continues to respond to needs of customers and aims to become one of the most powerful heat shrink tube brands in the early 21st Century.

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Technical Data

| Property | Test Method | Values |
|-----------------------------|------------------|-----------------------|
| Resin | | |
| Melt flow rate | ISO 1133 | 2 g/10 min |
| Density | ISO 1972/1 | 923 kg/m ³ |
| Vicat softening Temperature | ISO 306 Method A | 94 °C |
| Slip | BP Method | 675 ppm |
| Antiblock(synthetic silica) | BP Method | 600 ppm |

| Film * | | |
|-------------------------|-------------|-------------------|
| Dart drop impact | ASTM D 1709 | 120 g |
| Tensile stress at yield | ISO 1184 | 11/10 MPa (MD/TD) |
| Tensile stress at break | ISO 1184 | 20/20 MPa (MD/TD) |
| Elongation at break | ISO 1184 | 250/550 % (MD/TD) |
| 1% Secant modulus | ISO 1184 | 200/230 % (MD/TD) |
| Coefficient of friction | ASTM D 1894 | 0.2 |
| Haze | ASTM D 1003 | 7.5 % |
| Gloss(45o) | ASTM D 2457 | 70 % |

* 50 μm film, 2:1 blow-up ratio, 180 °C melt temperature
MD = machine direction TD = transverse direction

Characteristics

PELD offers high slip film with easy opening properties when used in the thickness range 40~60 μm . The addition of other polymers, masterbatches and pigments, or the use of other thickness after film slip and antiblock .

If corona treatment is necessary, the level should normally be the range 38~48mN/m.

Extrusion conditions

PELD can be processed on all commercial blown film extruders over the melt temperature range 160~200°C.

Film can be drawn down to approximately 40 μm under ideal extrusion conditions.

Storage

PELD should be stored in a dry and dust free environment at temperatures below 50°C.

Exposure to direct sunlight should be avoided, as this may lead to product deterioration.

ORDERING INFORMATION : Product **Width / Wall** Trace Colour
PELD ____ / ____ N CR
e.g. PELD200/05NCR