

Halene L 71501S

Linear Low Density Polyethylene
Haldia Petrochemicals Ltd.

Message:

71501S is a LLDPE blown film grade produced by the Spherilene Technology.
This grade can be used in General Purpose Packaging Film Applications.
71501S is additivated with slip and antiblocking additives for excellent openability and slip properties.

| General Information | | | |
|---|----------------------|-------------------|-------------|
| Additive | Anti-caking agent | | |
| | slip agent | | |
| Features | smoothness | | |
| | Anti-caking property | | |
| Uses | Packaging | | |
| | Films | | |
| Processing Method | Blow film | | |
| Physical | Nominal Value | Unit | Test Method |
| Density ¹ | 0.920 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 1.0 | g/10 min | ASTM D1238 |
| Films | Nominal Value | Unit | Test Method |
| Film Thickness - Tested | 25 | µm | |
| Tensile Strength ² | | | ASTM D882 |
| MD: Yield, 25 µm, blown film | 10.0 | MPa | ASTM D882 |
| TD: Yield, 25 µm, blown film | 10.0 | MPa | ASTM D882 |
| MD: Broken, 25 µm, blown film | 25.0 | MPa | ASTM D882 |
| TD: Broken, 25 µm, blown film | 16.0 | MPa | ASTM D882 |
| Tensile Elongation ³ | | | ASTM D882 |
| MD: Broken, 25 µm, blown film | 650 | % | ASTM D882 |
| TD: Broken, 25 µm, blown film | 750 | % | ASTM D882 |
| Dart Drop Impact ⁴ (25 µm, Blown Film) | 100 | g | ASTM D1709A |
| Elmendorf Tear Strength | | | ASTM D1922 |
| MD: 25 µm, blown film | 150 | g | ASTM D1922 |
| TD: 25 µm, blown film | 400 | g | ASTM D1922 |
| Optical | Nominal Value | | Test Method |
| Gloss (60°, 25.0 µm, Blown Film) | 76 | | ASTM D2457 |
| Extrusion | Nominal Value | Unit | |
| Cylinder Zone 1 Temp. | 180 - 200 | °C | |

| | | |
|-----------------------|-----------|----|
| Cylinder Zone 2 Temp. | 180 - 200 | °C |
| Cylinder Zone 3 Temp. | 180 - 200 | °C |
| Cylinder Zone 4 Temp. | 180 - 200 | °C |
| Cylinder Zone 5 Temp. | 180 - 200 | °C |
| Melt Temperature | 190 - 210 | °C |

Extrusion instructions

Blow up Ratio: 2.0 to 3.0Die Gap: 2.0 to 2.5 mm

NOTE

| | |
|----|--------------------------|
| 1. | 23°C |
| 2. | 500 mm/min |
| 3. | 500 mm/min |
| 4. | 38 mm Dart, 66 cm Height |

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