

TECHNICAL DATA SHEET

71602S

71602S is a LLDPE blown film grade produced by the Spherilene Technology.

This grade can be used in General Purpose Packaging Film Application.

The precise morphological control achieved during polymerization confers excellent processability and mechanical strengths.

71602S is additivated with slip and antiblocking agent for good openability and slip properties.

| Properties | Test Method | Unit | Value |
|---|----------------------------|-------------------|--------|
| Melt Flow Index (2.16 kg, 190°C) | ASTM D 1238 | g/10 min | 2.0 |
| Density (23°C) | ASTM D 1505 | g/cm ³ | 0.920 |
| FILM PROPERTY ** | | | |
| Tensile Strength at Yield | | MPa | MD 12 |
| | | | TD 11 |
| Tensile Strength at Break | ASTM D 882 (500 mm/min) | MPa | MD 28 |
| | | | TD 20 |
| Elongation at Break | | % | MD 500 |
| | | | TD 750 |
| Elmendorf Tear Strength | ASTM D 1992 | g | MD 60 |
| | | | TD 300 |
| Dart Impact Strength, F ₅₀ (38 mm Dart, 66 cm Height) | ASTM D 1709A | g/μm | 3.0 |

Suggested Processing Conditions

| | | |
|--------------------|----|-----------|
| Barrel Temperature | °C | 170 – 200 |
| Melt Temperature | °C | 190 – 200 |
| Blow up Ratio | - | 2.0 – 3.0 |
| Die Gap | mm | 2.0 – 2.5 |

* Halene L is the registered trademark of Linear Low Density Polyethylene of HPL

** Typical Values with 25 μm film made with 2.5 mm die gap & BUR 2.5

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Compliance certificates and MSDS are available on request.
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