

TECHNICAL DATA SHEET

71602W

71602W is a LLDPE film grade produced by the Spherilene Technology

71602W is without slip additives and antiblock & can be used in General Purpose Packaging Film Application

The precise morphological control achieved during polymerization confers good processability & mechanical strengths

| Property | Test Method | Unit | Value |
|--|--------------|-------------------|-----------|
| Melt Flow Index (2.16 kg, 190°C) | ASTM D1238 | g/10 min | 2.5 |
| Density (23°C) | ASTM D1505 | g/cm ³ | 0.916 |
| Film Property ** | | | |
| Tensile Strength at Yield MD | | MPa | 12 |
| Tensile Strength at Yield TD | | MPa | 11 |
| Tensile Strength at Break MD | ASTM D882 | MPa | 23 |
| Tensile Strength at Break TD | (500 mm/min) | MPa | 19 |
| Elongation at Break MD | | % | 500 |
| Elongation at Break TD | | % | 750 |
| Elmendorf Tear Strength MD | ASTM D1992 | g | 60 |
| Elmendorf Tear Strength TD | | g | 280 |
| Dart Impact Strength, F ₅₀ (38 mm Dart, 66 cm Height) | ASTM D1709A | g/μm | 2 |
| 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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