

Asrene® UF 1810T

Linear Low Density Polyethylene

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Message:

Asrene® UF 1810T is a linear low density polyethylene product. It is available in North America, Europe or Asia Pacific. Asrene® UF 1810T applications include bags/linings and movies.

Features include:

Butene Comonomer

Good toughness

Impact resistance

Transparency

| General Information | | | |
|---|-------------------------|-------------------|-------------|
| Features | Butene comonomer | | |
| | High smoothness | | |
| | High caking resistance | | |
| | Impact resistance, good | | |
| | Definition, high | | |
| | Good toughness | | |
| Uses | Films | | |
| | Lining | | |
| | Bags | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.921 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 1.0 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Coefficient of Friction (Blown Film) | 0.11 | | ASTM D1894 |
| Films | Nominal Value | Unit | Test Method |
| Film Thickness - Tested | 30 | µm | |
| Tensile Strength | | | ASTM D882 |
| MD: Broken, 30 µm, blown film | 50.0 | MPa | ASTM D882 |
| TD: Broken, 30 µm, blown film | 24.0 | MPa | ASTM D882 |
| Tensile Elongation | | | ASTM D882 |
| MD: Broken, 30 µm, blown film | 700 | % | ASTM D882 |
| TD: Broken, 30 µm, blown film | 850 | % | ASTM D882 |
| Dart Drop Impact (30 µm, Blown Film) | 100 | g | ASTM D1709 |
| Elmendorf Tear Strength ¹ | | | ASTM D1922 |
| MD : 30.0 µm | 24.5 | kN/m | ASTM D1922 |
| TD : 30.0 µm | 196.1 | kN/m | ASTM D1922 |

| | | | |
|----------------------------------|---------------|-----------------------|-------------|
| Blocking - Blown Film | 65.0 | g/100 cm ² | ASTM D3354 |
| Thermal | Nominal Value | Unit | Test Method |
| Brittleness Temperature | < -70.0 | °C | ASTM D746 |
| Vicat Softening Temperature | 104 | °C | ASTM D1525 |
| Optical | Nominal Value | Unit | Test Method |
| Gloss (45°, 30.0 μm, Blown Film) | 60 | | ASTM D2457 |
| Clarity (50.0 μm, Blown Film) | 63.0 | | ASTM D1746 |
| Haze (30.0 μm, Blown Film) | 15 | % | ASTM D1003 |
| Extrusion | Nominal Value | Unit | |
| Melt Temperature | 170 - 200 | °C | |
| Extrusion instructions | | | |
| Blow-up Ratio: 1.5 to 3.5 | | | |
| NOTE | | | |

1. Blown Film

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