

VENELENÉ® 11F1

Linear Low Density Polyethylene
Poliolefinas Internacionales, C.A. (Polinter)

Message:

- Features:
Excellent mechanical properties
Applications:
Industrial bags (< 30 Kg)
Ice bags
Frozen Food Bags.
Secondary packaging Bags
Garbage bags
Flexible Tubes for irrigation

| General Information | |
|---------------------|------------------------|
| Additive | Processing aid |
| | Anti-caking agent |
| | Antioxidation |
| Features | Low density |
| | Anti-caking property |
| | Antioxidation |
| Uses | Bags |
| | Industrial application |
| | Pipe fittings |
| | Irrigation application |
| | Food packaging |
| Forms | Particle |
| Processing Method | Blow film |
| | Extrusion |

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-------------------|-------------|
| Specific Gravity | 0.919 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 0.80 | g/10 min | ASTM D1238 |
| Films | Nominal Value | Unit | Test Method |
| Film Thickness - Tested | 50 | µm | |
| Film Puncture Force (50 µm) | 7.35 | N | ASTM D3420 |
| Tensile Strength | | | ASTM D882 |
| MD: Break, 50 µm | 36.0 | MPa | ASTM D882 |
| TD: Break, 50 µm | 34.0 | MPa | ASTM D882 |

| | | | |
|-------------------------|---------------|------|-------------|
| Tensile Elongation | | | ASTM D882 |
| MD: Break, 50 µm | 730 | % | ASTM D882 |
| TD: Break, 50 µm | 750 | % | ASTM D882 |
| Elmendorf Tear Strength | | | ASTM D1922 |
| MD : 50 µm | 300 | g | ASTM D1922 |
| TD : 50 µm | 550 | g | ASTM D1922 |
| Impact Resistance, Film | 280 | J/cm | ASTM D1709 |
| Toughness, Film | | | ASTM D882 |
| MD | 120 | MPa | ASTM D882 |
| TD | 140 | MPa | ASTM D882 |
| Optical | Nominal Value | Unit | Test Method |
| Transmittance (50.0 µm) | 68.0 | % | ASTM D1003 |
| Haze (50.0 µm) | 28 | % | ASTM D1003 |
| Extrusion | Nominal Value | Unit | |
| Melt Temperature | 160 - 210 | °C | |
| Extrusion instructions | | | |

Inverted Extrusion profile (descendent).

Blow up ratio (BUR):2 - 3.

Die gap: 0.9 - 2.0 mm.

Frost line Height: 4 to 5 times Die diameter.

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