

LLDPE LL4F 801

Linear Low Density Polyethylene



Overview

LL4F 801 is butene LLDPE blown film resin. It has good drawdown and films produced from this resin exhibit excellent toughness and tensile properties.

Applications

- Blown film
- Agricultural film
- Food packaging
- Bread bags
- General packaging
- Lamination film
- Trash bags
- Barrier food packaging
- Heavy duty bags
- Industrial packaging
- Multilayer packaging film
- Shoppers
- Ice bags
- Freezer film

| Property | Value | Unit | ASTM |
|--------------------------------------|-------------|-------------------|--------|
| Melt index (condition 230°C/2.16 kg) | 1 | g/10 min | D 1238 |
| Density (g/cm ³) | 0.918 | g/cm ³ | D 792 |
| Melting Temperature | 250 | °F | D3418 |
| Vicat Softening Temperature | 210 | °F | D1525 |
| Dart Drop Impact | 145 | g | D1709 |
| Elmendorf Tear Strength (MD/TD) | 80 / 400 | g | D1922 |
| Tensile Strength at Break (MD/TD) | 4900 / 3600 | psi | D882 |
| Tensile Strength at Yield (MD/TD) | 1800 / 1500 | psi | D882 |
| Elongation at Break (MD/TD) | 580 / 850 | % | D882 |

| Property | Value | Unit | ASTM |
|---------------------------|------------------|---------|-------|
| 1% Secant Modulus (MD/TD) | 29000 / 31000 | psi | D882 |
| Haze | 15 | % | D1003 |
| Gloss (45°) | 45 | degrees | D2457 |

Additives: Antiblock – no, Slip – no