

Bapolene® LL075F

Linear Low Density Polyethylene

Bamberger Polymers, Inc.

Message:

Bapolene LL075F is an octene LLDPE for heavy duty blown film extrusion applications. This resin exhibits excellent tensile and toughness properties. Contains medium levels of slip/antiblock additives. This product meets FDA standards for food contact applications.

| General Information | | | |
|---|------------------------------|-------------------|-------------|
| Additive | Moderate caking resistance | | |
| | Moderate smoothness | | |
| Features | High tensile strength | | |
| | Good toughness | | |
| | Compliance of Food Exposure | | |
| | Moderate caking resistance | | |
| | Moderate smoothness | | |
| Uses | Bags | | |
| | Industrial application | | |
| | Heavy packing bag | | |
| Agency Ratings | FDA Food Exposure, Not Rated | | |
| Forms | Particle | | |
| Processing Method | Blow film | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.918 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 0.75 | g/10 min | ASTM D1238 |
| Films | Nominal Value | Unit | Test Method |
| Film Thickness - Tested | 38 | µm | |
| Tensile Strength | | | ASTM D882 |
| MD: Yield | 10.3 | MPa | ASTM D882 |
| TD: Yield | 11.0 | MPa | ASTM D882 |
| MD: Fracture | 55.2 | MPa | ASTM D882 |
| TD: Fracture | 38.6 | MPa | ASTM D882 |
| Tensile Elongation | | | ASTM D882 |
| MD: Fracture | 580 | % | ASTM D882 |
| TD: Fracture | 750 | % | ASTM D882 |
| Elmendorf Tear Strength | | | ASTM D1922 |
| MD : 38 µm | 530 | g | ASTM D1922 |
| TD : 38 µm | 1100 | g | ASTM D1922 |

| Optical | Nominal Value | Unit | Test Method |
|---|---------------|------|-------------|
| Haze | 9.0 | % | ASTM D1003 |
| Additional Information | | | |
| Film Thickness, 2:1 blow-up ratio: 37.5μmGloss, ASTM D2457: 44% | | | |
| Extrusion | Nominal Value | Unit | |
| Melt Temperature | 93.3 - 116 | °C | |

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