

AMERICOLENE® LL128SA

AMERICOLENE

Low Density Polyethylene

Product Description

The AMERICOLENE® LL128SA series of resins are pelletized linear low density polyethylenes for applications requiring excellent drawdown and toughness. These pelletized products offer excellent additive homogeneity, require no transfer equipment modification and facilitate clean and safe storage and handling. They can be used in either blown or cast film extrusion.

Regulatory Status

For regulatory compliance information, see AMERICOLENE® LL128SA Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

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|--------------------------|---|
| Status | Commercial: Active |
| Availability | North America |
| Application | Bags & Pouches; Can Liners; Film Wrap; Food Packaging Film; Lamination Film; Liner Film |
| Market | Flexible Packaging |
| Processing Method | Blown Film; Cast Film |

| Typical Properties | Nominal Value | English Units | Nominal Value | SI Units | Test Method |
|----------------------------------|---------------|-------------------|---------------|-------------------|-------------|
| Physical | | | | | |
| Melt Flow Rate, (190 °C/2.16 kg) | 2.0 | g/10 min | 2.0 | g/10 min | ASTM D1238 |
| Base Resin Density, (23 °C) | 0.918 | g/cm ³ | 0.918 | g/cm ³ | ASTM D1505 |
| Product Density, (23 °C) | 0.923 | g/cm ³ | 0.923 | g/cm ³ | ASTM D1505 |
| Film | | | | | |
| Dart Drop Impact Strength, F50 | 120 | g | 120 | g | ASTM D1709 |
| Tensile Strength at Break | | | | | |
| MD | 4900 | psi | 33.8 | MPa | ASTM D882 |
| TD | 3600 | psi | 24.8 | MPa | ASTM D882 |
| Tensile Elongation at Break | | | | | |
| MD | 750 | % | 750 | % | ASTM D882 |
| TD | 800 | % | 800 | % | ASTM D882 |
| 1% Secant Modulus | | | | | |
| MD | 32000 | psi | 221 | MPa | ASTM D882 |
| TD | 36000 | psi | 248 | MPa | ASTM D882 |
| Elmendorf Tear Strength | | | | | |
| MD | 170 | g | 170 | g | ASTM D1922 |
| TD | 400 | g | 400 | g | ASTM D1922 |
| Additive | | | | | |
| Slip | 1350 | ppm | 1350 | ppm | LYB Method |
| Antiblock | 7000 | ppm | 7000 | ppm | LYB Method |

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