

# AMERICOLENE® LD722AP

**AMERICOLENE**

## Low Density Polyethylene

### Product Description

AMERICOLENE® LD722AP is a low density polyethylene resin selected by customers for high speed extrusion coating applications. This resin can be drawn down to medium coating weights at line speeds exceeding 1,500 fpm with minimum neck-in. LD722AP is typically used for applications including sugar pouches, industrial and multi-wall bags, treated and primed films and laminations.

### Regulatory Status

For regulatory compliance information, see AMERICOLENE® LD722AP Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

|                          |  |
|--------------------------|--|
| <b>Status</b>            | Commercial: Active   |
| <b>Availability</b>      | Availability North America   |
| <b>Application</b>       | Bags & Pouches; Caps & Closures; Colour Concentrates; Food Packaging Film; Lamination Film; Sealants |
| <b>Market</b>            | Flexible Packaging; Rigid Packaging  |
| <b>Processing Method</b> | Extrusion Coating; Injection Molding   |

| Typical Properties               | Nominal Value | English Units     | Nominal Value | SI Units          | Test Method |
|----------------------------------|---------------|-------------------|---------------|-------------------|-------------|
| <b>Physical</b>                  |               |                   |               |                   |             |
| Melt Flow Rate, (190 °C/2.16 kg) | 10            | g/10 min          | 10            | g/10 min          | ASTM D1238  |
| Density, (23 °C)                 | 0.918         | g/cm <sup>3</sup> | 0.918         | g/cm <sup>3</sup> | ASTM D1505  |
| <b>Mechanical</b>                |               |                   |               |                   |             |
| Flexural Modulus, (1% Secant)    | 32500         | psi               | 230           | MPa               | ASTM D790   |
| Tensile Strength at Break        | 1550          | psi               | 10.7          | MPa               | ASTM D638   |
| Tensile Strength at Yield        | 1460          | psi               | 10.0          | MPa               | ASTM D638   |
| Tensile Elongation at Break      | 550           | %                 | 550           | %                 | ASTM D638   |
| Tensile Elongation at Yield      | 19            | %                 | 19            | %                 | ASTM D638   |
| <b>Hardness</b>                  |               |                   |               |                   |             |
| Shore Hardness, (Shore D)        | 54            |                   | 54            |                   | ASTM D2240  |
| <b>Thermal</b>                   |               |                   |               |                   |             |
| Vicat Softening Temperature      | 185           | °F                | 85            | °C                | ASTM D1525  |
| <b>Processing Parameters</b>     |               |                   |               |                   |             |
| Melt Temperature                 | <=625         | °F                | <=329         | °C                |             |

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