

ExxonMobil™ LLDPE LL 1201AV

Linear Low Density Polyethylene Resin

Product Description

LL 1201AV is a LLDPE grade, offering excellent combination of stiffness and optical properties (when blended with 10-20% LDPE). TnPP is not intentionally added to LL 1201AV.

General

| | |
|---------------------------|--|
| Availability ¹ | ▪ Europe |
| Additive | ▪ LL 1201AV: Antiblock: No; Slip: No; Processing Aid: No; Thermal Stabilizer: Yes |
| Applications | <ul style="list-style-type: none"> ▪ Blown Film ▪ Bread Bags ▪ Food Packaging ▪ Form Fill And Seal Packaging ▪ Garment Film ▪ General Packaging ▪ Industrial Packaging ▪ Label Film ▪ Lamination Film ▪ Multilayer Packaging Film ▪ Overwrap Film ▪ Packaging Films ▪ Produce Bags ▪ Shoppers ▪ Shrink Film ▪ Stand Up Pouches ▪ Trash Bags ▪ Zipper Bag |
| Revision Date | ▪ 05/22/2018 |

| Resin Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|----------------------------|-------------------------|-------------------------|-------------------|
| Density | 0.925 g/cm ³ | 0.925 g/cm ³ | ASTM D1505 |
| Melt Index (190°C/2.16 kg) | 0.70 g/10 min | 0.70 g/10 min | ASTM D1238 |
| Peak Melting Temperature | 253 °F | 123 °C | ExxonMobil Method |

| Film Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|-------------------------------|-------------------------|--------------------|---------------|
| Tensile Strength at Break MD | 8700 psi | 60 MPa | ASTM D882 |
| Tensile Strength at Break TD | 6100 psi | 42 MPa | ASTM D882 |
| Elongation at Break MD | 620 % | 620 % | ASTM D882 |
| Elongation at Break TD | 910 % | 910 % | ASTM D882 |
| Secant Modulus MD - 1% Secant | 44000 psi | 300 MPa | ASTM D882 |
| Secant Modulus TD - 1% Secant | 48000 psi | 330 MPa | ASTM D882 |
| Dart Drop Impact | 70 g | 70 g | ASTM D1709A |
| Elmendorf Tear Strength MD | 50 g | 50 g | ASTM D1922 |
| Elmendorf Tear Strength TD | 450 g | 450 g | ASTM D1922 |

| Optical Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|--------------------|-------------------------|--------------------|---------------|
| Gloss (45°) | 53 | 53 | ASTM D2457 |
| Haze | 12 % | 12 % | ASTM D1003 |

Legal Statement

Tris(nonylphenol)phosphite (TNPP) CAS# 26523-78-4 is not intentionally used by ExxonMobil in this product. Although this product is not routinely tested for its presence, based on product composition knowledge this substance is not expected to be present. However, the fact that this substance is not intentionally used by ExxonMobil in this product does not exclude that trace levels of this substance may be present as a result of the specific characteristics of the raw materials and/or of the manufacturing process.

This product is not intended for use in medical applications and should not be used in any such applications.

Processing Statement

The film properties have been measured on a 30 µm (1.18 mil) thick film. (Blow-up ratio : 2.5)

Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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