Product Datasheet

ExxonMobil Signature Polymers

# ExxonMobil™ LD 2321.MV

## Low Density Polyethylene

### Product Description

ExxonMobil™ LD 2321.MV is a LDPE designed for wire and cable applications and is suitable for making crosslinkable compounds for medium voltage insulation.

### General

| | | |
|---|---|---|
| Availability [1] | ▪ Latin America | ▪ North America |
| Applications | ▪ Crosslinkable Compounds | ▪ Wire and Cable Compounds |
| Form(s) | ▪ Pellets | |
| Revision Date | ▪ 06/01/2012 | |

| Resin Properties | Typical Value (English) | | Typical Value (SI) | | Test Based On |
|---|---|---|---|---|---|
| Density | 0.921 | g/cm³ | 0.921 | g/cm³ | ASTM D1505 |
| Melt Index (190°C/2.16 kg) | 2.3 | g/10 min | 2.3 | g/10 min | ASTM D1238 |
| Peak Melting Temperature | 228 | °F | 109 | °C | ExxonMobil Method |

| Molded Properties | Typical Value (English) | | Typical Value (SI) | | Test Based On |
|---|---|---|---|---|---|
| Tensile Strength at Yield | 1700 | psi | 12 | MPa | ASTM D638 |
| Tensile Strength at Break | 1500 | psi | 10 | MPa | ASTM D638 |
| Elongation at Yield | 10 | % | 10 | % | ASTM D638 |
| Elongation at Break | 630 | % | 630 | % | ASTM D638 |
| Flexural Modulus - 1% Secant | 35000 | psi | 240 | MPa | ASTM D790 |
| Durometer Hardness | | | | | ASTM D2240 |
| Shore A, 15 sec | 90 | | 90 | | |
| Shore D, 15 sec | 44 | | 44 | | |

| Electrical | Typical Value (English) | | Typical Value (SI) | | Test Based On |
|---|---|---|---|---|---|
| Volume Resistivity | 7.6E+15 | ohms·cm | 7.6E+15 | ohms·cm | ASTM D257 |
| Dielectric Strength | 1300 | V/mil | 50 | kV/mm | ASTM D149 |
| Dielectric Constant | 2.3 | | 2.3 | | ASTM D150 |
| Dissipation Factor | 8E-5 | | 8E-5 | | ASTM D150 |

### Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

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

### Processing Statement

The test specimens were prepared using ASTM D4703, Procedure C.

### 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.



Manufacturer website: https://www.exxonmobilchemical.com/en/products/polyethylene

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For additional technical, sales and order assistance: Contact Us

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