

## Product Datasheet



# ExxonMobil™ LDPE LD 600BA

## Low Density Polyethylene Resin

### Product Description

ExxonMobil™ LD 600BA resin is a high flow LDPE grade characterized by high stiffness, good toughness and good processability.

### General

|                           |                                                                      |                                                                                              |                                |
|---------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------|
| Availability <sup>1</sup> | ▪ Africa & Middle East                                               | ▪ Asia Pacific                                                                               | ▪ Europe                       |
| Additive                  | ▪ Antiblock: No                                                      | ▪ Slip: No                                                                                   | ▪ Thermal Stabilizer: No       |
| Applications              | ▪ Caps<br>▪ Closures<br>▪ Compounding<br>▪ Food Packaging Containers | ▪ Houseware Articles<br>▪ Injection Molding<br>▪ Masterbatch Base Resin<br>▪ Technical Parts | ▪ Toys<br>▪ Viscosity Modifier |
| Form(s)                   | ▪ Pellets                                                            |                                                                                              |                                |
| Revision Date             | ▪ 10/01/2018                                                         |                                                                                              |                                |

| Resin Properties           | Typical Value (English) | Typical Value (SI)      | Test Based On     |
|----------------------------|-------------------------|-------------------------|-------------------|
| Density                    | 0.924 g/cm <sup>3</sup> | 0.924 g/cm <sup>3</sup> | ASTM D1505        |
| Melt Index (190°C/2.16 kg) | 21 g/10 min             | 21 g/10 min             | ASTM D1238        |
| Peak Melting Temperature   | 226 °F                  | 108 °C                  | ExxonMobil Method |

| Thermal                     | Typical Value (English) | Typical Value (SI) | Test Based On |
|-----------------------------|-------------------------|--------------------|---------------|
| Vicat Softening Temperature | 194 °F                  | 90 °C              | ISO 306       |

| Molded Properties                | Typical Value (English) | Typical Value (SI) | Test Based On   |
|----------------------------------|-------------------------|--------------------|-----------------|
| Tensile Modulus                  | 27000 psi               | 190 MPa            | ISO 527-1/1A/1  |
| Tensile Stress (100% Strain)     | 1360 psi                | 9.4 MPa            | ISO 527-2/1A/50 |
| Tensile Strain at Break          | 250 %                   | 250 %              | ISO 527-2/1A/50 |
| Shore Hardness (Shore D, 15 sec) | 45                      | 45                 | ISO 868         |

### 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 molded properties have been measured on 4 mm (157.5 mil) thick injection molded specimen, based on ISO 1872-2

### Notes

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

<sup>1</sup> 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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**ExxonMobil****ExxonMobil™ LDPE LD 600BA**  
Low Density Polyethylene ResinFor additional technical, sales and order assistance: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

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