

# ExxonMobil™ LDPE LD 605BA

## Low Density Polyethylene Resin

### Product Description

ExxonMobil™ LD 605BA resin is a general purpose LDPE grade characterized by good stiffness, toughness, and processability.

### General

|                           |                                   |                                             |                                                          |
|---------------------------|-----------------------------------|---------------------------------------------|----------------------------------------------------------|
| Availability <sup>1</sup> | ▪ Africa & Middle East            | ▪ Asia Pacific                              | ▪ Europe                                                 |
| Additive                  | ▪ Antiblock: No                   | ▪ Slip: No                                  | ▪ Thermal Stabilizer: No                                 |
| Applications              | ▪ Compounding<br>▪ Food Packaging | ▪ Houseware Articles<br>▪ Injection Molding | ▪ Masterbatch Base Resin<br>▪ Rigid Medium Sized Molding |
| 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) | 6.5 g/10 min            | 6.5 g/10 min            | ASTM D1238        |
| Peak Melting Temperature   | 223 °F                  | 106 °C                  | ExxonMobil Method |

| Thermal                     | Typical Value (English) | Typical Value (SI) | Test Based On |
|-----------------------------|-------------------------|--------------------|---------------|
| Vicat Softening Temperature | 192 °F                  | 89 °C              | ISO 306       |

| Molded Properties                | Typical Value (English) | Typical Value (SI) | Test Based On   |
|----------------------------------|-------------------------|--------------------|-----------------|
| Tensile Modulus                  | 23000 psi               | 160 MPa            | ISO 527-1/1A/1  |
| Tensile Stress (100% Strain)     | 1410 psi                | 9.7 MPa            | ISO 527-2/1A/50 |
| Tensile Strain at Break          | 150 %                   | 150 %              | ISO 527-2/1A/50 |
| Shore Hardness (Shore D, 15 sec) | 45                      | 45                 | ISO 868         |

### Legal Statement

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

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

### 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.

For additional technical, sales and order assistance: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

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