

# ExxonMobil™ LLDPE LL 6201 Series Molding

## Linear Low Density Polyethylene Resin

### Product Description

LL 6201 series are high flow LLDPE grades, which offer a unique combination of excellent processability and outstanding product properties. Parts manufactured from LL 6201 have good gloss and offer advantages in toughness, environmental stress crack resistance, stiffness and heat distortion resistance over comparable low density polyethylene items.

### General

|                           |                                      |                                      |          |
|---------------------------|--------------------------------------|--------------------------------------|----------|
| Availability <sup>1</sup> | ▪ Africa & Middle East               | ▪ Asia Pacific                       | ▪ Europe |
| Additive                  | ▪ LL 6201XR: Thermal Stabilizer: Yes | ▪ LL 6201RQ: Thermal Stabilizer: Yes |          |
| Applications              | ▪ Compounding (RQ version)           | ▪ Lids                               |          |
|                           | ▪ Housewares                         | ▪ Thin Wall Articles                 |          |
| Revision Date             | ▪ 04/01/2017                         |                                      |          |

| Resin Properties                                    | Typical Value (English)  | Typical Value (SI)      | Test Based On     |
|---|--------------------------|-------------------------|-------------------|
| Density   | 0.926 g/cm <sup>3</sup>  | 0.926 g/cm <sup>3</sup> | ASTM D1505        |
| Melt Index (190°C/2.16 kg)                          | 50 g/10 min              | 50 g/10 min             | ExxonMobil Method |
| Peak Melting Temperature                            | 251 °F                   | 122 °C                  | ExxonMobil Method |
| Thermal   | Typical Value (English)  | Typical Value (SI)      | Test Based On     |
| Vicat Softening Temperature                         | 195 °F                   | 91 °C                   | ISO 306           |
| Molded Properties                                   | Typical Value (English)  | Typical Value (SI)      | Test Based On     |
| Tensile Stress at Yield                             | 1500 psi                 | 11 MPa                  | ISO 527-2/1A/50   |
| Tensile Strain at Yield                             | 20 %                     | 20 %                    | ISO 527-2/1A/50   |
| Tensile Strain at Break                             | > 100 %                  | > 100 %                 | ISO 527-2/1A/50   |
| Flexural Modulus                                    | 42000 psi                | 290 MPa                 | ISO 178           |
| Environmental Stress-Crack Resistance<br>10% Igepal | 6 hr                     | 6 hr                    | ASTM D1693        |
| Impact  | Typical Value (English)  | Typical Value (SI)      | Test Based On     |
| Notched Izod Impact Strength                        | 21 ft-lb/in <sup>2</sup> | 45 kJ/m <sup>2</sup>    | ISO 180/1A        |

### 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

Molded properties were measured on 2 mm (78.7 mil) thick compression molded plaques prepared based on ASTM D 4703 Procedure C (177C, 15C/min): ESCR 2 mm plaques, notch condition B.

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

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