

# ExxonMobil™ LLDPE LL 8360 Series

Linear Low Density Polyethylene Resin

ExxonMobil Chemical

## Message:

LL 8360 is a linear low density ethane copolymer with excellent processability, good size control and low warpage. The resin can be ideally used for applications that require excellent processability and environmental stress cracking resistance, together with a balance between optimal hardness and low temperature toughness.

| General Information                                                          |                                        |          |             |
|------------------------------------------------------------------------------|----------------------------------------|----------|-------------|
| Additive                                                                     | LLP8360.29: Long Term UV-15 Stabilizer |          |             |
|                                                                              | LL 8360.29: Long Term UV-15 Stabilizer |          |             |
| Physical                                                                     | Nominal Value                          | Unit     | Test Method |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)                                    | 5.2                                    | g/10 min | ASTM D1238  |
| Environmental Stress-Cracking Resistance                                     |                                        |          | ASTM D1693A |
| 10% Igepal, F50                                                              | 410                                    | hr       | ASTM D1693A |
| 100% Igepal, F50                                                             | > 1000                                 | hr       | ASTM D1693A |
| Mechanical                                                                   | Nominal Value                          | Unit     | Test Method |
| Tensile Strength <sup>1</sup> (Yield)                                        | 14.5                                   | MPa      | ASTM D638   |
| Tensile Elongation <sup>2</sup> (Yield)                                      | 10                                     | %        | ASTM D638   |
| Flexural Modulus - 1% Secant                                                 | 503                                    | MPa      | ASTM D790B  |
| Impact                                                                       | Nominal Value                          | Unit     | Test Method |
| Impact Strength                                                              |                                        |          | ARM         |
| -40°C, 3.18 mm                                                               | 76                                     | J        | ARM         |
| -40°C, 6.35 mm                                                               | 230                                    | J        | ARM         |
| Thermal                                                                      | Nominal Value                          | Unit     | Test Method |
| Deflection Temperature Under Load                                            |                                        |          | ASTM D648   |
| 0.45 MPa, not annealed                                                       | 50.0                                   | °C       | ASTM D648   |
| 1.8 MPa, not annealed                                                        | 36.0                                   | °C       | ASTM D648   |
| Peak Melting Temperature                                                     | 126                                    | °C       | ASTM D3418  |
| Legal statement                                                              |                                        |          |             |
| 有关潜在食品接触应用合规信息(例如:FDA,EU,HPFB),请与埃克森美孚化工客户服务代表联系.本产品不宜在医疗应用中使用,亦不应在任何此类应用中使用 |                                        |          |             |
| NOTE                                                                         |                                        |          |             |
| 1.                                                                           | 50 mm/min                              |          |             |
| 2.                                                                           | 50 mm/min                              |          |             |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

# Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

