# Westlake LDPE EF608

Low Density Polyethylene

Westlake Chemical Corporation

## Message:

Westlake EF608 is a high melt index LDPE resin suggested for thin guage garment films and other films requiring excellent drawdown. The high melt index makes this material a good choice in compounding applications as a carrier for masterbatch or other concentrates.
Application/Uses:
Compounding base resin
Color concentrates
Additives masterbatches

| General Information | |
|---|---|
| Features | Dispersible<br>Workability, good |
| Uses | Composite<br>Masterbatch<br>Color masterbatch |
| Agency Ratings | FDA 21 CFR 177.1520 |
| Forms | Particle |
| Processing Method | Blow film<br>Composite<br>Extrusion |

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Density | 0.919 | g/cm³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 9.5 | g/10 min | ASTM D1238 |
| **Films** | **Nominal Value** | **Unit** | **Test Method** |
| Film Thickness - Tested | 51 | µm | |
| secant modulus [1] | | | ASTM D882 |
| 1% secant, MD: 51 µm, blown film | 152 | MPa | ASTM D882 |
| 1% secant, TD: 51 µm, blown film | 179 | MPa | ASTM D882 |
| Tensile Strength [2] | | | ASTM D882 |
| MD: Broken, 51 µm, blown film | 21.4 | MPa | ASTM D882 |
| TD: Broken, 51 µm, blown film | 15.9 | MPa | ASTM D882 |
| Tensile Elongation [3] | | | ASTM D882 |
| MD: Broken, 51 µm, blown film | 580 | % | ASTM D882 |
| TD: Broken, 51 µm, blown film | 730 | % | ASTM D882 |
| Dart Drop Impact [4] (51 µm, Blown Film) | 95 | g | ASTM D1709 |
| **Additional Information** | | | |

Test specimens for blown film: nominal thickness 2.0 mils; blow up ratio 2.5:1, die gap 35 mils.Melt temperatures of 360° F - 400° F are recommended for Westlake Chemical EF608 with blow-up ratios of 1.5:1 or higher.

| Extrusion | Nominal Value | Unit |
|---|---|---|
| Melt Temperature | 182 - 204 | °C |

| NOTE | |
|---|---|
| 1. | Test run at 23°C (73°F) and 50% relative humidity |
| 2. | Test run at 23°C (73°F) and 50% relative humidity |
| 3. | Test run at 23°C (73°F) and 50% relative humidity |
| 4. | Test run at 23°C (73°F) and 50% relative humidity |



## Recommended distributors for this material

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