

# HIFOR Xtreme® SC74871

Linear Low Density Polyethylene  
Westlake Chemical Corporation

Message:

WESTLAKE HIFOR Xtreme SC74871 is a Hexene LLDPE designed for cast film extrusion. This material is stabilized for cast film extrusion, and contains no slip, anti-block, or process aid.

Application/Uses

Cast film extrusion

Cast Stretch

| General Information                       |                  |                   |             |
|---|------------------|-------------------|-------------|
| Features                                  | hexene comonomer |                   |             |
| Uses                                      | Films            |                   |             |
|   | Stretch winding  |                   |             |
|   | cast film        |                   |             |
| Agency Ratings                            | FDA not rated    |                   |             |
| Processing Method                         | cast film        |                   |             |
| Physical                                  | Nominal Value    | Unit              | Test Method |
| Density                                   | 0.919            | g/cm <sup>3</sup> | ASTM D1505  |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 2.0              | g/10 min          | ASTM D1238  |
| Films                                     | Nominal Value    | Unit              | Test Method |
| Film Thickness - Tested                   | 20               | µm                |             |
| secant modulus                            |                  |                   | ASTM D882   |
| 1% secant, MD: 20 µm, cast film           | 138              | MPa               | ASTM D882   |
| 1% secant, TD: 20 µm, cast film           | 152              | MPa               | ASTM D882   |
| Tensile Strength                          |                  |                   | ASTM D882   |
| MD: Fracture, 20 µm, extruded film        | 51.7             | MPa               | ASTM D882   |
| TD: Fracture, 20 µm, extruded film        | 33.1             | MPa               | ASTM D882   |
| Tensile Elongation                        |                  |                   | ASTM D882   |
| MD: Fracture, 20 µm, extruded film        | 500              | %                 | ASTM D882   |
| TD: Fracture, 20 µm, extruded film        | 850              | %                 | ASTM D882   |
| Dart Drop Impact (20 µm, Cast Film)       | 85               | g                 | ASTM D1709  |
| Optical                                   | Nominal Value    | Unit              | Test Method |
| Haze (20.3 µm, cast film)                 | 2.5              | %                 | ASTM D1003  |

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