

# Prixene® EM050E36

Linear Low Density Polyethylene  
POLYMAT

Message:

Prixene® EM050E36 is a Linear Medium Density Polyethylene resin of ethylene-hexene copolymer that offers high performance and excellent processability. The applications of this product are in bags, stretch film, co-extruded and monolayer film, coatings, packaging in general. The features presented are a good power, stretching and bending. The product form is in pellets. LLDPE for blow film. The material complies with FDA regulation title 21.CFR177.1520 (. C) 3.1 (a) and 3.2a

| General Information                                      |                             |                   |             |
|--|-----------------------------|-------------------|-------------|
| Features   | Copolymer                   |                   |             |
|  | Good Processability         |                   |             |
| Uses   | Bags                        |                   |             |
|  | Coating Applications        |                   |             |
|  | Film                        |                   |             |
|  | Packaging                   |                   |             |
| Agency Ratings   | FDA 21 CFR 177.1520(c) 3.1a |                   |             |
|  | FDA 21 CFR 177.1520(c) 3.2a |                   |             |
| Forms  | Pellets                     |                   |             |
| Processing Method  | Blown Film                  |                   |             |
| Physical   | Nominal Value               | Unit              | Test Method |
| Density  | 0.936                       | g/cm <sup>3</sup> | ASTM D1505  |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)                | 5.0                         | g/10 min          | ASTM D1238  |
| Mechanical   | Nominal Value               | Unit              | Test Method |
| Tensile Strength <sup>1</sup> (Yield)                    | 17.9                        | MPa               | ASTM D638   |
| Tensile Elongation <sup>2</sup> (Break)                  | 650                         | %                 | ASTM D638   |
| Flexural Modulus - 1% Secant                             | 731                         | MPa               | ASTM D790   |
| Thermal  | Nominal Value               | Unit              | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 60.0                        | °C                | ASTM D648   |
| Vicat Softening Temperature                              | 118                         | °C                | ASTM D1525  |
| NOTE   |                             |                   |             |
| 1.   | 51 mm/min                   |                   |             |
| 2.   | 51 mm/min                   |                   |             |

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