

# Epolene® C-13P

Low Density Polyethylene  
Westlake Chemical Corporation

Message:

Epolene C-13P is a branched low density polyethylene homopolymer powder with low color and medium molecular weight. It is useful as a base polymer for adhesives and coatings, color concentrate dispersions, and to provide lubricity in rubber compounding. Coatings produced with Epolene C-13P exhibit high gloss, low moisture vapor transmission rates, grease resistance, and good heat seal ability.

| General Information                       |   |          |          |
|---|---|----------|----------|
| Features                                  | Good Heat Seal  |          |          |
|   | Good Thermal Stability  |          |          |
|   | Grease Resistant  |          |          |
|   | High Gloss  |          |          |
|   | Homopolymer   |          |          |
|   | Low Moisture Vapor Transmission   |          |          |
|   | Medium Molecular Weight   |          |          |
| Uses                                      | Adhesives   |          |          |
|   | Automotive Applications   |          |          |
|   | Building Materials  |          |          |
|   | Coating Applications  |          |          |
|   | Color Concentrates  |          |          |
|   | Compounding   |          |          |
|   | Construction Applications   |          |          |
|   | Packaging   |          |          |
|   | Printing Ink  |          |          |
| Forms                                     | Powder  |          |          |
| Physical                                  | Nominal Value   | Unit     |          |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 190   | g/10 min |          |
| Molecular Weight <sup>1</sup>             | 76000   |          |          |
| Ring and Ball Softening Point             | 110   | °C       | ASTM E28 |
| Penetration Hardness <sup>2</sup> (25°C)  | 300   | mm       | ASTM D5  |
| NOTE                                      |   |          |          |
| 1.  | Molecular weight measured via Gel Permeation Chromatography (GPC) using polystyrene standards |          |          |
| 2.  | Needle under 100-g load for 5s, tenths of mm  |          |          |

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