

## Westlake Epolene® C-19 Coating Grade - Highly Branched Medium Molecular Weight Polyethylene Polymer, Maleation Processed

Category : Polymer , Thermoplastic , Polyethylene (PE)

### Material Notes:

**Product Description:** Epolene C-19 is a branched low density polyethylene modified with maleic anhydride. It is useful as a base polymer for adhesives and coatings, color concentrate dispersion, and applications requiring compatibility with polyamide. Coatings produced with Epolene C-19 exhibit high gloss, low moisture vapor transmission rates, grease resistance, and good heat seal ability. In hot melt adhesives, the maleic anhydride modification allows for improved adhesion, greater filler tolerance, broader capabilities, and improved aging properties.  
**Key Attributes:** Enhances paraffin wax coating properties like gloss, grease resistance, and MVTR Excellent thermal stability  
**Maleic anhydride grafted PE provides functionality**  
**Medium molecular weight**  
**Application/Uses:** Automotive OEM Building and Construction Hot Melt Adhesives Packaging Solvent borne Adhesives Color concentrates

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Westlake-Epolene-C-19-Coating-Grade-Highly-Branched-Medium-Molecular-Weight-Polyethylene-Polymer-Maleation-Processed.php](http://www.lookpolymers.com/polymer_Westlake-Epolene-C-19-Coating-Grade-Highly-Branched-Medium-Molecular-Weight-Polyethylene-Polymer-Maleation-Processed.php)

| Physical Properties  | Metric              | English             | Comments   |
|----------------------|---------------------|---------------------|------------|
| Specific Gravity     | 0.890 - 0.920 g/cc  | 0.890 - 0.920 g/cc  |            |
| Viscosity            | 2400 - 6000 cP      | 2400 - 6000 cP      | 542-111    |
|                      | @Temperature 150 °C | @Temperature 302 °F |            |
| Brookfield Viscosity | 1750 cP             | 1750 cP             | ASTM D3226 |
|                      | @Temperature 190 °C | @Temperature 374 °F |            |
|                      | 7750 cP             | 7750 cP             | ASTM-D3226 |
|                      | @Temperature 125 °C | @Temperature 257 °F |            |
| Molecular Weight     | 15000 g/mol         | 15000 g/mol         |            |

| Thermal Properties          | Metric    | English   | Comments |
|-----------------------------|-----------|-----------|----------|
| Flash Point                 | >= 261 °C | >= 502 °F |          |
| Ring & Ball Softening Point | 101 °C    | 214 °F    | ASTM E28 |

| Optical Properties   | Metric | English | Comments |
|----------------------|--------|---------|----------|
| Gardner Color Number | <= 1.0 | <= 1.0  | 542-130  |

| Chemical Properties | Metric | English | Comments   |
|---------------------|--------|---------|------------|
| Total Acid Number   | 5.0    | 5.0     | ASTM D1386 |

| Descriptive Properties | Value | Comments                                                         |
|------------------------|-------|------------------------------------------------------------------|
| Penetration Hardness   | 4 dmm | ASTM D5, Needle under 100-g load for 5s @ 25 deg C, tenths of mm |

## Contact Songhan Plastic Technology Co.,Ltd.

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