

## Westlake Epolene® C-16 Coating Grade - Highly Branched Medium Molecular Weight Polyethylene Polymer, Maleation Processed, Chemically Modified

Category : Polymer , Thermoplastic , Polyethylene (PE)

### Material Notes:

**Product Description:** Epolene C-16 is a branched low density polyethylene modified with maleic anhydride. It is useful as a base polymer for adhesives and coatings, color concentrate dispersions, and applications requiring compatibility with polyamide. Coatings produced with Epolene C-16 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 Low color Medium molecular weight Useful in color concentrates **Application/Uses:** Automotive Building and Construction Hot Melt Adhesive Packaging Solvent borne Adhesives Wax Modification

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Westlake-Epolene-C-16-Coating-Grade-Highly-Branched-Medium-Molecular-Weight-Polyethylene-Polymer-Maleation-Processed-Chemically-Modified.php](http://www.lookpolymers.com/polymer_Westlake-Epolene-C-16-Coating-Grade-Highly-Branched-Medium-Molecular-Weight-Polyethylene-Polymer-Maleation-Processed-Chemically-Modified.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.890 - 0.920 g/cc	0.890 - 0.920 g/cc	
Brookfield Viscosity	2850 cP	2850 cP	ASTM D3226
	@Temperature 190 °C	@Temperature 374 °F	
	16650 cP	16650 cP	ASTM D3226
	@Temperature 125 °C	@Temperature 257 °F	
Molecular Weight	26000 g/mol	26000 g/mol	

Thermal Properties	Metric	English	Comments
Flash Point	>= 261 °C	>= 502 °F	
Ring & Ball Softening Point	102 °C	216 °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	2.0	2.0	ASTM D1386

Descriptive Properties	Value	Comments
Penetration Hardness	3 dmm	ASTM D5, Needle under 100-g load for 5s @ 25°, tenths of mm

## **Contact Songhan Plastic Technology Co.,Ltd.**

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