

## Westlake Epolene® C-18 Coating Grade - Highly Branched Medium Molecular Weight Polyethylene Polymer, Maleation Processed, Chemically Modified

Category : Polymer , Thermoplastic , Polyethylene (PE)

### Material Notes:

**Product Description:** Epolene C-18 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-18 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  
 Useful in color concentrates  
**Application/Uses:**Automotive OEMAutomotive refinishAutomotiveBuilding and ConstructionHot Melt AdhesivesPackagingSolvent borne Adhesives

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Westlake-Epolene-C-18-Coating-Grade-Highly-Branched-Medium-Molecular-Weight-Polyethylene-Polymer-Maleation-Processed-Chemically-Modified.php](http://www.lookpolymers.com/polymer_Westlake-Epolene-C-18-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	
Viscosity	2400 - 6000 cP	2400 - 6000 cP	542-111
	@Temperature 150 °C	@Temperature 302 °F	
Brookfield Viscosity	1550 cP	1550 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	1.5 - 2.5	1.5 - 2.5	542-110

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

## Contact Songhan Plastic Technology Co.,Ltd.

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