

## Westlake Epolene® C-16P Coating Grade - Branched Medium Molecular Weight Polyethylene Polymer

Category : Polymer , Thermoplastic , Polyethylene (PE)

### Material Notes:

Description: Epolene C-16P is a branched low density polyethylene powder 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-16P 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 Building and Construction Hot Melt Adhesives Packaging Solvent borne Adhesives Wax

Modification Information provided by Westlake Chemical

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Specific Gravity	0.890 - 0.920 g/cc	0.890 - 0.920 g/cc	
Viscosity	6300 - 10000 cP @Temperature 150 °C	6300 - 10000 cP @Temperature 302 °F	542-111
Brookfield Viscosity	2850 cP @Temperature 190 °C	2850 cP @Temperature 374 °F	
	16650 cP @Temperature 125 °C	16650 cP @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	mg KOH/g

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

## Contact Songhan Plastic Technology Co.,Ltd.

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