

Westlake Epolene® C-18P Coating Grade - Branched Medium Molecular Weight Polyethylene Polymer

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Description: Epolene C-18P is a branched low density polyethylene powder 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-18P 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 MVTRExcellent thermal stabilityMaleic anhydride grafted PE provides functionalityMedium molecular weightUseful in color concentrates Application/Uses: Automotive OEMmotive refinishtmotiveBuilding and ConstructionHot Melt AdhesivesPackagingSolvent borne AdhesivesInformation provided by Westlake Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Epolene-C-18P-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	2400 - 6000 cP @Temperature 150 °C	2400 - 6000 cP @Temperature 302 °F	542-111
Brookfield Viscosity	1550 cP @Temperature 190 °C	1550 cP @Temperature 374 °F	
	7750 cP @Temperature 125 °C	7750 cP @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	<= 3.0	<= 3.0	542-130

Chemical Properties	Metric	English	Comments
Total Acid Number	2.0	2.0	mg KOH/g

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

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