

Epolene® C-18

Low Density Polyethylene
Westlake Chemical Corporation

Message:

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.

General Information			
Features	Good Adhesion		
	Good Heat Seal		
	Good Thermal Stability		
	Grease Resistant		
	High Gloss		
	Homopolymer		
	Low Moisture Vapor Transmission		
	Medium Molecular Weight		
Uses	Adhesives		
	Automotive Applications		
	Building Materials		
	Coating Applications		
	Color Concentrates		
	Compounding		
	Construction Applications		
	Packaging		
Forms	Pellets		
Physical	Nominal Value	Unit	
Acid Number	2.00	mg KOH/g	
Molecular Weight ¹	15000		
Ring and Ball Softening Point	101	°C	ASTM E28
Penetration Hardness ² (25°C)	400	mm	ASTM D5
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity			
190°C	1550	mPa · s	
125°C	7750	mPa · s	
NOTE			
1.	Molecular weight measured via Gel Permeation Chromatography (GPC) using polystyrene standards		

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2. Needle under 100-g load for 5s,
tenths of mm

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