

Epolene® C-15

Low Density Polyethylene
Westlake Chemical Corporation

Message:

Epolene C-15 is a branched low density polyethylene homopolymer with low color and medium molecular weight. It is useful as a base polymer for adhesives and coatings, color concentrate dispersions, and to provide lubricity in rubber compounding. Coatings produced with Epolene C-15 exhibit high gloss, low moisture vapor transmission rates, grease resistance, and good heat seal ability.

General Information			
Features	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		
Forms	Pellets		
Physical	Nominal Value		
Molecular Weight ¹	17000		
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	1800	mPa · s	
125°C	8950	mPa · s	
NOTE			
1.	Molecular weight measured via Gel Permeation Chromatography (GPC) using polystyrene standards		
2.	Needle under 100-g load for 5s, tenths of mm		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

