

Epolene® C-17P

Low Density Polyethylene

Westlake Chemical Corporation

Message:

Epolene C-17P is a branched low density polyethylene powder with a relatively high melt point and viscosity compared to other Epolene C-type Polymers. It is useful to modify paraffin wax to improve the blend viscosity, grease resistance, blocking temperature, scuff resistance, and gloss. Epolene C-17P commonly replaces granular LLDPE as the base polymer in color concentrates because it's easier to process and has higher output rates. Epolene C-17P has good high temperature stability, low color, low temperature flexibility, and excellent compatibility with various tackifying resins.

General Information

Features	Fast Molding Cycle
	Good Processability
	Good Thermal Stability
	Grease Resistant
	High Gloss
	Low Moisture Vapor Transmission
	Low Temperature Flexibility
	Scratch Resistant

Uses	Adhesives
	Color Concentrates
	Compounding
	Packaging

Forms	Powder
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Physical	Nominal Value	Unit	
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	19	g/10 min	
Molecular Weight ¹	100000		
Ring and Ball Softening Point	133	°C	ASTM E28
Melt Viscosity (125°C)	Solid at this temp.		
Penetration Hardness ² (25°C)	200	mm	ASTM D5

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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