

# Epolene® E-14EP

Low Density Polyethylene

Westlake Chemical Corporation

## Message:

The Epolene E-14EP is a low molecular weight, low density, oxidized polyethylene powder. The low molecular weight and low softening point contribute to the production of stable, low color emulsions by both atmospheric (wax-to-water) and pressure emulsification methods. Epolene E-14EP imparts excellent slip resistance to floor polish films.

General Information			
Features	Durable		
	Good Toughness		
	Low Molecular Weight		
Uses	Adhesives		
	Automotive Applications		
	Building Materials		
	Construction Applications		
	Flooring Maintenance/Repair		
Forms	Pellets		
Physical	Nominal Value	Unit	
Acid Number	17.00	mg KOH/g	
Molecular Weight <sup>1</sup>	3600		
Ring and Ball Softening Point	104	°C	ASTM E28
Penetration Hardness <sup>2</sup> (25°C)	400	mm	ASTM D5
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (125°C)	225	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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