

Epolene® E-14

Low Density Polyethylene
Westlake Chemical Corporation

Message:

The Epolene E-14 is a low molecular-weight, low-density, oxidized polyethylene. It is useful as a lubricant in processing rigid and flexible polyvinyl chloride (PVC) and as a processing aid for preparing color concentrates. Epolene E-14 is listed with the National Sanitation Foundation (NSF) under Standard 61 Drinking Water System Components Health Effects.

General Information			
Features	Durable		
	Good Toughness		
	Low Molecular Weight		
Uses	Adhesives		
	Automotive Applications		
	Building Materials		
	Color Concentrates		
	Compounding		
	Construction Applications		
	Flooring Maintenance/Repair		
	Plastics Modification		
Agency Ratings	NSF 61		
Forms	Pellets		
Physical	Nominal Value	Unit	
Acid Number	17.00	mg KOH/g	
Molecular Weight ¹	4000		
Ring and Ball Softening Point	104	°C	ASTM E28
Penetration Hardness ² (25°C)	400	mm	ASTM D5
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (125°C)	375	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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