

Epolene® E-20

Medium Density Polyethylene
Westlake Chemical Corporation

Message:

Epolene E-20 is a medium density, low molecular-weight oxidized polyethylene with exceptional hardness and low color. It has a low softening point and low viscosity, which give it the same desirable emulsification properties of a low-density oxidized polyethylene. The low softening point and low viscosity contribute to the hardness, short drying time, and excellent gloss in coatings. Pressure equipment is required for emulsification of this material. Epolene E-20 is an excellent performer in high-speed, buffable floor finishes. It improves buffability and durability.

General Information			
Features	Durable		
	Good Toughness		
	High Gloss		
	High Hardness		
	Low Molecular Weight		
	Low Viscosity		
Uses	Adhesives		
	Automotive Applications		
	Building Materials		
	Coating Applications		
	Construction Applications		
	Flooring Maintenance/Repair		
	Plastics Modification		
Forms	Pellets		
Physical	Nominal Value	Unit	
Acid Number	17.00	mg KOH/g	
Molecular Weight ¹	7500		
Softening Point - Mettler	111	°C	ASTM E28
Penetration Hardness ² (25°C)	< 100	mm	ASTM D5
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (125°C)	1500	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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