

## Westlake Epolene® E-14P Oxidized Low Molecular Weight Polyethylene Polymer

Category : Polymer , Thermoplastic , Polyethylene (PE)

### Material Notes:

Description: The Epolene E-14P is a low molecular-weight, low-density, oxidized polyethylene powder. 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-14P is listed with the National Sanitation Foundation (NSF) under Standard 61 Drinking Water System Components Health Effects. Key Attributes: Imparts slip resistance, durability, and toughness to floor finishes. Listed with NSF for use as a lubricant in PVC melt processes. Low density polyethylene (PE) Oxidized to provide functionality. Produces stable water based emulsions. Application/Uses: Automotive OEM, Automotive Building and Construction, Hot Melt Adhesives, Pressure Sensitive Adhesives, Solventborne Adhesives, Waterborne Adhesives, Wax Modification. Information provided by Westlake Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Westlake-Epolene-E-14P-Oxidized-Low-Molecular-Weight-Polyethylene-Polymer.php](http://www.lookpolymers.com/polymer_Westlake-Epolene-E-14P-Oxidized-Low-Molecular-Weight-Polyethylene-Polymer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.930 - 0.960 g/cc	0.930 - 0.960 g/cc	
Viscosity	300 - 400 cP @Temperature 125 °C	300 - 400 cP @Temperature 257 °F	TXAL-A-XX-G-V-005
Brookfield Viscosity	375 cP @Temperature 125 °C	375 cP @Temperature 257 °F	
Molecular Weight	4000 g/mol	4000 g/mol	

Thermal Properties	Metric	English	Comments
Flash Point	>= 204 °C	>= 399 °F	
Ring & Ball Softening Point	104 °C	219 °F	ASTM E28

Optical Properties	Metric	English	Comments
Gardner Color Number	<= 3.0	<= 3.0	TXAL-A-XX-G-VCC-99

Chemical Properties	Metric	English	Comments
Total Acid Number	17	17	mg KOH/g

Descriptive Properties	Value	Comments
Penetration Hardness	4 dmm	ASTM D5, Needle under 100-g load for 5s @ 25 °C

## **Contact Songhan Plastic Technology Co.,Ltd.**

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