

Westlake Epolene® E-20 Emulsifiable - Oxidized Low Molecular Weight Polyethylene Polymer

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Product Description: 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. **Key Attributes:** Imparts slip resistance, durability, and toughness to floor finishes Low density polyethylene (PE) Oxidized to provide functionality Produces stable water based emulsions Useful as a lubricant for HDPE extrusion **Application/Uses:** Automotive Building and Construction Hot Melt Adhesives Pressure Sensitive Adhesives Solventborne Adhesives Waterborne Adhesives Wax Modification

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Epolene-E-20-Emulsifiable-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	1000 - 2000 cP @Temperature 125 °C	1000 - 2000 cP @Temperature 257 °F	542-111
Brookfield Viscosity	1500 cP @Temperature 125 °C	1500 cP @Temperature 257 °F	
Molecular Weight	7500 g/mol	7500 g/mol	

Thermal Properties	Metric	English	Comments
Flash Point	>= 204 °C	>= 399 °F	
Ring & Ball Softening Point	111 °C	232 °F	ASTM E28

Optical Properties	Metric	English	Comments
Gardner Color Number	<= 2.0	<= 2.0	542-130

Chemical Properties	Metric	English	Comments
Total Acid Number	17	17	

Descriptive Properties	Value	Comments
Penetration Hardness	<1 dmm	ASTM D5, Needle under 100-g load for 5s @ 25 deg C, tenths of mm

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