

Westlake Epolene® EE-2 Emulsifiable - Oxidized Low Molecular Weight Polyethylene Polymer

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Product Description: EE-2 is a medium density, low molecular-weight oxidized polyethylene with exceptional hardness. It is an excellent asphalt modifier which mixes readily with all asphalts. It has a low softening point and low viscosity. The low softening point and low viscosity contribute to the hardness, short drying time, and excellent gloss in coatings.
Key Attributes: Low density polyethylene (PE)Oxidized to provide functionalityUseful as a lubricant for HDPE extrusionApplication/Uses:Asphalt modificationBuilding and ConstructionHot Melt AdhesivesPressure Sensitive AdhesivesWax Modification

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Epolene-EE-2-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 - 2500 cP @Temperature 125 °C	1000 - 2500 cP @Temperature 257 °F	V-005
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	110 °C	230 °F	ASTM E28

Optical Properties	Metric	English	Comments
Gardner Color Number	<= 10	<= 10	VCC-099

Chemical Properties	Metric	English	Comments
Total Acid Number	16.2	16.2	

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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