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

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Product Description: The Epolene E-14E is a low molecular weight, low density, oxidized polyethylene. The low molecular weight and low softening point contribute to the production of stable, low color emulsions by both atmospheric (wax-to-water) and pressure emulsification methods. Epolene E-14E imparts excellent slip resistance to floor polish films.Key Attributes:Imparts slip resistance, durability, and toughness to floor finishes Low density polyethylene (PE)Oxidized to provide functionalityProduces stable water based emulsions Application/Uses: Automotive refinishAutomotiveBuilding and ConstructionHot Melt AdhesivesPressure Sensitive AdhesivesSolventborne AdhesivesWaterborne AdhesivesWax Modification

Order this product through the following link:
http://www.lookpolymers.com/polymer_Westlake-Epolene-E-14E-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	150 - 300 cP @Temperature 125 °C	150 - 300 cP @Temperature 257 °F	TXAL-A-XX-G-V-005
Brookfield Viscosity	225 cP @Temperature 125 °C	225 cP @Temperature 257 °F	
Molecular Weight	3600 g/mol	3600 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	

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

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