

Westlake Epolene® N-14 Nonemulsifiable - Low Molecular Weight Polyethylene Polymer

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Product Description: Epolene N-14 is a polyethylene (PE) homopolymer that can easily be melt blended with natural or synthetic waxes to increase the tensile strength of wax blends, improve the gloss of paper coatings, aid in pigment dispersion and mold release, and improve scuff and rub off resistance in printing inks.
Key Attributes: Aids in pigment dispersion Easy to melt blend with natural or synthetic waxesImproves physical properties of paper coatingsIncreases scuff and rub off resistance in inksLow density polyethylene (PE)
Application/Uses: AutomotiveBuilding and ConstructionHot Melt AdhesivesPackagingSolventborne AdhesivesWax Modification

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Epolene-N-14-Nonemulsifiable-Low-Molecular-Weight-Polyethylene-Polymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.910 - 0.950 g/cc	0.910 - 0.950 g/cc	
Viscosity	75 - 200 cP @Temperature 125 °C	75 - 200 cP @Temperature 257 °F	542-111
Brookfield Viscosity	150 cP @Temperature 125 °C	150 cP @Temperature 257 °F	
Molecular Weight	4000 g/mol	4000 g/mol	

Thermal Properties	Metric	English	Comments
Flash Point	>= 343 °C	>= 649 °F	ASTM E136
Ring & Ball Softening Point	108 °C	226 °F	ASTM E28

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

Descriptive Properties	Value	Comments
Penetration Hardness	3 dmm	ASTM D5, Needle under 100-g load for 5s @ 25 deg C, tenths of mm

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