

Westlake Epolene® E-43P Oxidized Low Molecular Weight Polyethylene Polymer

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Description: Epolene E-43P is a maleic anhydride grafted polypropylene powder recommended as a coupling agent for polypropylene (PP) composites and for providing slip resistance in floor finish emulsions. Because of the polarity and anhydride functionality, Epolene E-43P is useful for laminating, as a compatibilizer for PP blends with nylon or EVOH, and for enhancing the strength of composites that utilize reinforcements / fillers such as glass, talc, calcium carbonate, and metals. Key Attributes: Coupling agent and compatibilizer for PP composites and alloys Excellent pigment dispersion aid Maleic anhydride grafted polypropylene (PP) Provides slip resistance in floor polish finishes Useful in adhesive blends Application/Uses: Automotive Bookbinding Building and Construction Caulks and Sealants Hot Melt Adhesives Laminating Solventborne Adhesives Waterborne Adhesives Information provided by Westlake Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Epolene-E-43P-Oxidized-Low-Molecular-Weight-Polyethylene-Polymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 g/cc	ASTM D5
Viscosity	100 - 750 cP	100 - 750 cP	542-111
	@Temperature 190 °C	@Temperature 374 °F	
Brookfield Viscosity	300 cP	300 cP	
	@Temperature 190 °C	@Temperature 374 °F	
Molecular Weight	9100 g/mol	9100 g/mol	

Thermal Properties	Metric	English	Comments
Flash Point	>= 277 °C	>= 531 °F	
Ring & Ball Softening Point	158 °C	316 °F	

Optical Properties	Metric	English	Comments
Gardner Color Number	<= 13	<= 13	542-130

Chemical Properties	Metric	English	Comments
Total Acid Number	45	45	mg KOH/g

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

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