

Westlake Epolene® E-43 Chemically Modified Polypropylene, Maleation Processed

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Product Description: Epolene E-43 is a maleic anhydride grafted polypropylene 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-43 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
 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

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Epolene-E-43-Chemically-Modified-Polypropylene-Maleation-Processed.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 g/cc	ASTM D5
Viscosity	150 - 700 cP	150 - 700 cP	542-111
	@Temperature 190 °C	@Temperature 374 °F	
Brookfield Viscosity	300 cP	300 cP	
	@Temperature 190 °C	@Temperature 374 °F	
Molecular Weight	9100.0 g/mol	9100.0 g/mol	

Thermal Properties	Metric	English	Comments
Flash Point	>= 277 °C	>= 531 °F	
Ring & Ball Softening Point	158 °C	316 °F	ASTM E28

Optical Properties	Metric	English	Comments
Gardner Color Number	9.0	9.0	542-130
	<= 11	<= 11	

Chemical Properties	Metric	English	Comments
Total Acid Number	45	45	

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

Descriptive Properties	Value	Comments
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