

## Westlake Epolene® E-25 Chemically Modified Polypropylene, Maleation Processed

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

**Product Description:** Epolene E-25 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-25 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 ai 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 Solvent borne Adhesives Waterborne Adhesives

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Westlake-Epolene-E-25-Chemically-Modified-Polypropylene-Maleation-Processed.php](http://www.lookpolymers.com/polymer_Westlake-Epolene-E-25-Chemically-Modified-Polypropylene-Maleation-Processed.php)

Physical Properties	Metric	English	Comments
Viscosity	150 - 700 cP	150 - 700 cP	542-130
	@Temperature 190 °C	@Temperature 374 °F	
Brookfield Viscosity	300 cP	300 cP	
	@Temperature 190 °C	@Temperature 374 °F	
Molecular Weight	12000 g/mol	12000 g/mol	

Thermal Properties	Metric	English	Comments
Ring & Ball Softening Point	157 °C	315 °F	ASTM E28

Optical Properties	Metric	English	Comments
Gardner Color Number	9.0	9.0	542-111
	<= 11	<= 11	

Chemical Properties	Metric	English	Comments
Total Acid Number	25	25	

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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