

Epolene® E-43

Polypropylene

Westlake Chemical Corporation

Message:

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.

General Information

Uses	Adhesives
	Automotive Applications
	Binder
	Building Materials
	Compounding
	Construction Applications
	Flooring Maintenance/Repair
	Laminates
	Plastics Modification
	Sealants

Forms	Pellets
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Physical	Nominal Value	Unit	
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Acid Number	45.00	mg KOH/g	
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Molecular Weight ¹	9100		
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Ring and Ball Softening Point	158	°C	ASTM E28
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Melt Viscosity (125°C)	Solid at this temp.		
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Penetration Hardness ² (25°C)	< 100	mm	ASTM D5
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Fill Analysis	Nominal Value	Unit	Test Method
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Melt Viscosity (190°C)	300	mPa · s	
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NOTE

1.	Molecular weight measured via Gel Permeation Chromatography (GPC) using polystyrene standards
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2.	Needle under 100-g load for 5s, tenths of mm
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