

# Epolene® E-25

Polypropylene

Westlake Chemical Corporation

## Message:

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.

General Information			
Features	Good Heat Seal		
	Good Thermal Stability		
	Grease Resistant		
	High Gloss		
	Homopolymer		
	Low Moisture Vapor Transmission		
	Medium Molecular Weight		
Uses	Adhesives		
	Automotive Applications		
	Binder		
	Building Materials		
	Compounding		
	Construction Applications		
	Flooring Maintenance/Repair		
	Laminates		
	Piping		
Forms	Pellets		
Physical	Nominal Value	Unit	
Acid Number	25.00	mg KOH/g	
Molecular Weight <sup>1</sup>	12000		
Ring and Ball Softening Point	157	°C	ASTM E28
Melt Viscosity (125°C)	Solid at this temp.		
Penetration Hardness <sup>2</sup> (25°C)	< 100	mm	ASTM D5
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (190°C)	300	mPa · s	
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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

