

Epolene® E-43P

Polypropylene
Westlake Chemical Corporation

Message:

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.

General Information			
Uses	Adhesives		
	Automotive Applications		
	Binder		
	Building Materials		
	Construction Applications		
	Flooring Maintenance/Repair		
	Laminates		
	Plastics Modification		
	Sealants		
Forms	Powder		
Physical	Nominal Value	Unit	
Acid Number	45.00	mg KOH/g	
Molecular Weight ¹	9100		
Softening Point - Mettler	158	°C	
Melt Viscosity (125°C)	Solid at this temp.		
Penetration Hardness ² (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		
2.	Needle under 100-g load for 5s, tenths of mm		

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