

EVATHENE® UE508

Ethylene Vinyl Acetate Copolymer

USI Corporation

Message:

EVATHENE UE508 is an EVA copolymer especially developed for powder coating and hot melt adhesion for non-woven fabric. A combination of high flow and low melting temperature gives EVATHENE UE508 good processability for powder coating and easy ironing in adhesion applications. Strong adhesion of EVATHENE UE508 provides the excellent peel strength of non-woven fabric.

EVATHENE UE508 also possesses excellent water resistance which makes the non-woven fabric adhered with EVATHENE UE508 better water repellent and less deformable and thus raises the value of its product.

General Information			
Features	Copolymer		
	Good Adhesion		
	Good Processability		
	High Flow		
	Moisture Resistant		
Uses	Adhesives		
	Fabrics		
	Nonwovens		
Processing Method	Coating		
	Heat Reactive Adhesive		
Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	85	g/10 min	ASTM D1238
Vinyl Acetate Content	8.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	40		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, Compression Molded)	7.85	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	400	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	70.0	°C	ASTM D1525
Peak Melting Temperature	96.0	°C	ASTM D3418

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