

EVATHENE® UE639-04

Ethylene Vinyl Acetate Copolymer

USI Corporation

Message:

EVATHENE UE639-04 is an ethylene-vinyl acetate copolymer(EVA) which possesses superb characteristics, included: flexibility and elasticity, excellent adhesion, good low temperature resistance, good compatibility, thermal stability and non-toxicity.

Applications:

Hot melt adhesives

Injection molding

Modifying other materials

General Information			
Features	Copolymer		
	Good Adhesion		
	Good Flexibility		
	Good Thermal Stability		
	High Elasticity		
	Low Temperature Strength		
	Non-Toxic		
Uses	Coating Applications		
	Nonwovens		
	Packaging		
	Toys		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.945	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	150	g/10 min	ASTM D1238
Vinyl Acetate Content	28.0	wt%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	3.63	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -30.0	°C	ASTM D746
Vicat Softening Temperature	40.0	°C	ASTM D1525
Peak Melting Temperature	67.0	°C	ASTM D3418

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