

EVATHENE® UE634-04

Ethylene Vinyl Acetate Copolymer

USI Corporation

Message:

EVATHENE UE634-04 is an EVA copolymer which possesses super characteristics, included: flexibility and elasticity, excellent adhesion, good low temperature resistance, good compatibility, thermal stability and non-toxicity.

Applications:

- Hot melt adhesives
- Wire and cable compounds
- General compounding
- Injection molding

General Information			
Features	Low temperature strength		
	High elasticity		
	Copolymer		
	Good flexibility		
	Good adhesion		
	Thermal stability, good		
	Non-toxic		
Uses	Wire and cable applications		
	Composite		
	Adhesive		
Processing Method	Composite		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.948	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	6.0	g/10 min	ASTM D1238
Vinyl Acetate Content	28.0	wt%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	17.7	MPa	ASTM D638
Tensile Elongation (Break)	830	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	42.0	°C	ASTM D1525
Peak Melting Temperature	73.0	°C	ASTM D3418
Additional Information			
Ring & Ball Softening Point, ASTM E28: 155°C			

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