

EVATHENE® UE649-04

Ethylene Vinyl Acetate Copolymer

USI Corporation

Message:

EVATHENE UE649-04 is a high flowability and medium VA content ethylene vinyl acetate copolymer (EVA) with many excellent properties, such as characteristic flexibility and elasticity, thermal stability, good low temperature resistance, good compatibility, resistance to blocking and non-toxicity, etc. It possesses excellent heat stability, flexibility and good compatibility with tackifier resins and petroleum wax. The characteristics stated make EVATHENE UE649-04 to be the popular one of EVA for making hot melt.

The hot melt made by EVATHENE UE649-04 adheres with other materials which possess good adhesive strength, easy coating and non-solvent fit the request of environment protection and the hot melt is suitable for packaging, wood-working and other product assemblies.

General Information			
Features	Low temperature strength		
	High elasticity		
	Copolymer		
	Anti-caking property		
	Good flexibility		
	Good adhesion		
	High liquidity		
	Thermal stability, good		
	Non-toxic		
Uses	Packaging		
	Adhesive		
Processing Method	Heat Reactive Adhesive		
	Hot Melt		
Physical	Nominal Value	Unit	Test Method
Density	0.934	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	400	g/10 min	ASTM D1238
Vinyl Acetate Content	19.0	wt%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2.94	MPa	ASTM D638
Tensile Elongation (Break)	300	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -30.0	°C	ASTM D746
Vicat Softening Temperature	39.0	°C	ASTM D1525
Peak Melting Temperature	78.0	°C	ASTM D3418
Additional Information			
Ring & Ball Softening Point, ASTM E28: 91°C			

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