EVATHENE® UE633

Ethylene Vinyl Acetate Copolymer

USI Corporation

General Information

Message:

EVATHENE UE633 is an ethylene-vinyl acetate copolymer (EVA) resins designed for injection molding and extrusion coating. The most distinguished characteristic of EVATHENE UE633 is its strong resistance to stress cracking. UE633 is

most ideal for making swimming fin, closure, bicycle handle, knife holder etc. All these products need softness and anticracking properties.

UE633 can also be mixed with tackifier and low molecular weight LDPE to make hot melt to be used as instant adhesive for corrugated container.

Features	Copolymer		
	Good Flow		
	High ESCR (Stress Crack Resist.)		
	Soft		
Uses	Closures		
	Handles		
	Sporting Goods		
Processing Method	Extrusion Coating		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.938	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR)	20	g/10 min	ASTM D1238
Vinyl Acetate Content	19.0	wt%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	12.5	MPa	ASTM D638
Tensile Elongation (Break)	790	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	60.0	°C	ASTM D1525
Peak Melting Temperature	83.0	°C	ASTM D3418

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