

EVATHENE® UE629

Ethylene Vinyl Acetate Copolymer

USI Corporation

Message:

EVATHENE UE629 is the ethylene-vinyl acetate copolymer(EVA), possessing many excellent characteristics including flexibility, elasticity, transparency, non-toxicity, good resistance to environmental stress cracking, low temperature flexibility, easy processability and etc. For these characteristics, The EVATHENE UE629 can be used to develop the new applications and replace the flexible PVC, rubbers and other elastomers. One of the applications is the incorporation of foaming agents, crosslinking agents and inorganic fillers with EVATHENE UE629 for injection and compression molding of foamed mid-sole material for shoes.

EVATHENE UE629 is extruded to sheet such as casting and co-extrusion for special packaging of hospital and medical materials, food packaging and other packaging.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Flexibility		
	Good Processability		
	High Elasticity		
	High ESCR (Stress Crack Resist.)		
	Low Temperature Flexibility		
	Non-Toxic		
Uses	Bottles		
	Foam		
	Food Packaging		
	Footwear		
	Medical Packaging		
	Medical/Healthcare Applications		
	Packaging		
Processing Method	Blow Molding		
	Casting		
	Coextrusion		
	Compression Molding		
	Foam Processing		
	Injection Molding		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.939	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	2.5	g/10 min	ASTM D1238
Vinyl Acetate Content	18.0	wt%	

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	36		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, Compression Molded)	17.7	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	750	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	64.0	°C	ASTM D1525
Peak Melting Temperature	86.0	°C	ASTM D3418

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Recommended distributors for this material

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