

EVATHENE® UE630

Ethylene Vinyl Acetate Copolymer

USI Corporation

Message:

EVATHENE UE630 is an ethylene-vinyl acetate copolymer(EVA) resin possessing manifold of excellent characteristics including flexibility, elasticity, transparency, non-toxicity, good resistance to environmental stress cracking, low temperature flexibility. The characteristics of EVATHENE UE630 which permit its use for developing new applications and substituting for flexible PVC, rubbers and other elastomers.

One of the applications is the incorporation of foaming agents, crosslinking agents and inorganic fillers with EVATHENE UE630 for compression molding of foamed mid-sole material for shoes.

EVATHENE UE630 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 Clarity
	High Elasticity
	High ESCR (Stress Crack Resist.)
	Low Temperature Flexibility
	Non-Toxic

Uses	Blow Molding Applications
	Foam
	Food Packaging
	Footwear
	Medical Devices
	Medical Packaging
	Medical/Healthcare Applications
	Packaging
	Profiles
	Sheet

Processing Method	Blow Molding
	Casting
	Coextrusion
	Compression Molding
	Foam Processing
	Injection Molding
	Profile Extrusion

Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.937	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	1.5	g/10 min	ASTM D1238
Vinyl Acetate Content	16.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	37		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	16.7	MPa	ASTM D638
Tensile Elongation (Break)	700	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	67.0	°C	ASTM D1525
Peak Melting Temperature	89.0	°C	ASTM D3418

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