Evathene UE630

乙烯醋酸乙烯共聚物

USI Corporation

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Technical Data

产品说明

EVATHENE UE630 is one of ethylene vinyl acetate copolymer resin family possessing manifold of excellent characteristics including flexibility, elasticity, transparency, non-toxicity, good resistance to environmental stress cracking, low temperature flexibility, easy processability and etc. The characteristics of EVATHENE UE630 which permit its use for developing new applications and substituting for flexible PVC, rubbers and other elastomers. It could be developed for many new applications and substitute for flexible PVC, rubbers, and other elastomers. One of the new applications is the incorporation of lubricants, crosslinking agents and foaming agents with EVATHENE UE630 for compression molding of foamed shoe soles. The kind of industry is most popular at present in the Far East area. The reason of substituting EVATHENE UE630 for flexible PVC is :the plastized PVC is odorous and becomes harder whereas EVATHENE UE630 has no such defect thus it meets the customer's acceptance much better. EVATHENE UE630 is similar to rubber in elasticity. Unlike rubber it requires no curing and can be directly moldied. EVATHENE UE630 is used for:blow molding of bottles and toys; injection molding of swimming paddles and cushions of typewriters and calculators. Profile extrusion of tubes or gasketing for refrigerators and windows. 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. EVATHENE UE630 meets the requirement of the U.S. Food and Drug Administration regulation. It is safe and hygienic.

总体

材料状态	• 已商用：当前有效		
供货地区	• 亚太地区		
性能特点	• 低温下的柔性 • 高 ESCR（抗应力裂纹） • 高弹性	• 共聚物 • 可加工性，良好 • 良好的柔韧性	• 食品接触的合规性 • 无毒性
用途	• 吹塑成型应用 • 垫圈 • 管道 • 泡沫	• 片材 • 瓶子 • 食品包装 • 玩具	• 鞋类 • 型材 • 医用包装
形式	• 颗粒料		
加工方法	• 吹塑成型 • 共挤出成型 • 浇铸	• 泡沫处理 • 片材挤出成型 • 型材挤出成型	• 压缩模塑 • 注射成型

物理性能	额定值	单位制	测试方法
密度	0.937	g/cm³	ASTM D1505
熔流率	1.5	g/10 min	ASTM D1238
醋酸乙烯含量	16.0	wt%	
机械性能	**额定值**	**单位制**	**测试方法**
抗张强度			ASTM D638
断裂, 模压成型	16.7	MPa	
断裂, 注塑	12.0	MPa	
伸长率			ASTM D638
断裂, 模压成型	700	%	
断裂, 注塑	150	%	
薄膜	**额定值**	**单位制**	**测试方法**
抗张强度			ASTM D882
MD: 断裂	20.9	MPa	
TD: 断裂	18.0	MPa	
伸长率			ASTM D882
MD: 断裂	310	%	
TD: 断裂	670	%	
落锤冲击	430	g	ASTM D1709
硬度	**额定值**	**单位制**	**测试方法**
硬度计硬度			ASTM D2240
邵氏 A	65		
邵氏 D	69		
热性能	**额定值**	**单位制**	**测试方法**
脆化温度	-76.0	°C	ASTM D746
维卡软化温度	67.0	°C	ASTM D1525

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补充信息

Melting Point, ASTM D2117: 89°C
Foaming Rate, USIFE Method: 3

备注

[1] 一般属性：这些不能被视为规格。

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购买地点

Supplier

USI Corporation
Taipei, Taiwan
Telephone: 02-8751-6888
Web: http://www.usife.com/

Distributor

Please contact the supplier to find a distributor for Evathene UE630

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– Kevin Chase, Owner & President, Chase Plastics

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