

# 超塑烯 EVATHENE®

## 乙烯・醋酸乙烯酯共聚合塑膠

### Ethylene-Vinyl Acetate Copolymers

#### UE629



#### 特性

UE629 是一種乙烯醋酸乙烯酯共聚合物，具有很多優異特性，包括：柔軟而有彈性，透明、無毒，抗外界應力龜裂性很強，抗衝擊强度高，低溫柔軟性很好，以及加工容易等，所以可用以開發新用途，及替代軟質 PVC、橡膠與其他彈性材料。UE629 可添加發泡劑、交聯劑及無機填充物，以射出或壓縮成型法製造發泡中底。膜片擠壓加工，如鑄膜擠壓及共擠壓的成品，可作醫療與醫藥材料的特殊包裝，及食品的裹包與包裝之用。

#### Characteristics

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.

#### 應用

1. 壓縮成型(發泡)、膜片擠壓

#### Applications

Compression Molding(foam), Sheet Extrusion

#### 物理性質 Physical Properties

項 目 Properties	試 驗 方 法 Test Method	數 值 Typical Value
VA 含量 VA Content (%)	USI	18
密度 Density (g/cm <sup>3</sup> )	ASTM D792	0.939
熔融指數 Melt Index (g/10min)	ASTM D1238	2.5
斷裂點抗張強度(模片) Tensile Strength(Molded) (Break) (kg/cm <sup>2</sup> )	ASTM D638	180
斷裂點伸長率 (模片) Ultimate Elongation(Molded) (%)	ASTM D638	750
抗低溫脆裂性 Low Temperature Brittleness(°C/F50)	ASTM D746	<-76
衛氏軟化溫度 Vicat Softening Point(°C)	ASTM D1525	64
熔點 Melt Point (°C)	ASTM D3418	86
硬度(蕭氏 D)Hardness (Shore D)	ASTM D2240	36

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