

# 超塑烯 EVATHENE®

## 乙烯・醋酸乙烯酯共聚合塑膠

### Ethylene-Vinyl Acetate Copolymers

#### UE632



#### 特性

UE632 是一種乙烯醋酸乙烯酯共聚合塑膠，具有柔軟、彈性、透明、無毒等特性，同時抗外界應力龜裂性、抗衝擊強度及低溫柔軟性均極優異，而且加工十分容易，因此可用於開發各種新用途，特別是替代軟質 PVC、橡膠與其他彈性材料。UE632 主要用途係在添加交聯劑及發泡劑後，以壓縮成型法或射出成型法製造發泡鞋底，由於成品兼具柔軟度及物理強度，因此廣受客戶喜愛。此外，超塑烯 UE632 亦可用於射出成型、異型擠壓以及添加適當添加劑後用於吹膜擠壓。

#### Characteristics

UE632 is a high VA content ethylene-vinyl acetate copolymer(EVA) with excellent low temperature impact strength, environmental stress crack resistance, flexibility, elasticity, transparency, and easy processability. It could be developed for many new applications and substitute for flexible PVC, rubbers, and other elastomers. One of major application of UE632 is incorporated with blowing agent and cross-linking agent for compression molding or injection molding of foamed shoe sole. Besides, UE632 could be processed by profile extrusion, injection molding, and blown-extrusion while incorporated with additives.

#### 應用

1. 壓縮成型(發泡)，吹膜擠壓

#### Applications

1. Compressing Molding(foam), 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	22
密度 Density (g/cm <sup>3</sup> )	ASTM D792	0.942
熔融指數 Melt Index (g/10min)	ASTM D1238	2.2
斷裂點抗張強度(模片) Tensile Strength(Molded) (Break) (kg/cm <sup>2</sup> )	ASTM D638	170
斷裂點伸長率 (模片) Ultimate Elongation(Molded) (%)	ASTM D638	820
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	58
熔點 Melt Point (°C)	ASTM D3418	82
硬度(蕭氏 D)Hardness (Shore D)	ASTM D2240	34

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