

超塑烯 EVATHENE®

乙烯·醋酸乙烯酯共聚合塑膠

Ethylene-Vinyl Acetate Copolymers

UE631



特性

UE631 是一種共聚合塑膠，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。

UE631 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，UE631 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

EVATHENE UE631 is a high VA content ethylene vinyl acetate copolymer 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 EVATHENE UE631 is incorporated with blowing agent and cross-linking agent for compression molding or injection molding of foamed shoe sole. Besides, EVATHENE UE631 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. Compression 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 (%) | USIFE | 22 |
| 密度 Density (g/cm ³) | ASTM D1505 | 0.942 |
| 熔融指數 Melt Index (g/10min) | ASTM D1238 | 1.4 |
| 斷裂點抗張強度(模片) Tensile Strength(Molded) (Break) (kg/cm ²) | ASTM D638 | 180 |
| 斷裂點伸長率 (模片) Ultimate Elongation(Molded) (%) | ASTM D638 | 800 |
| 抗低溫脆裂性 Low Temperature Brittleness(/F50) | ASTM D746 | <-76 |
| 衛氏軟化溫度 Vicat Softening Point() | ASTM D1525 | 59 |
| 熔點 Melt Point () | USI Method | 82 |
| 硬度(蕭氏 D)Hardness (Shore D) | ASTM D2240 | 34 |

