

超塑烯 EVATHENE®

乙烯・醋酸乙烯酯共聚合塑膠

Ethylene-Vinyl Acetate Copolymers

UE630



特性

UE630 是一種乙烯醋酸乙烯酯共聚物，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。

UE630 可添加發泡劑、交聯劑及無機填充物，以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 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.

應用

1. 壓縮成型(發泡)、吹壓成型、射出成型、剖面擠壓、膜片擠壓

Applications

1. Compressing Molding(foam), Blow Molding, Injection Molding, Profile Extrusion, 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		16
密度 Density (g/cm ³)	ASTM	D792	0.937
熔融指數 Melt Index (g/10min)	ASTM	D1238	1.5
斷裂點抗張強度(模片) Tensile Strength(Molded) (Break) (kg/ cm ²)	ASTM	D638	170
斷裂點伸長率 (模片) Ultimate Elongation(Molded) (%)	ASTM	D638	700
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	67
熔點 Melt Point (°C)	ASTM	D3418	89
硬度(蕭氏 D)Hardness (Shore D)	ASTM	D2240	37

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