超塑烯 EVATHENE®
乙烯・醋酸乙烯酯共聚合塑膠
Ethylene-Vinyl Acetate Copolymers
UE659

特性

超塑烯 UE659 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。

UE659 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。

UE659 另一主要用途為與增黏劑及聚乙烯蠟攙配後生產熱熔膠。此外，UE659 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 UE659 is a high VA content ethylene vinyl acetate copolymer (EVA) with excellent low temperature impact strength, environmental stress crack resistance, flexibility, elasticity, transparency, and processability. It could be developed for many new applications and substitute for flexible PVC, rubbers, and other elastomers. One of major application of UE659 is mixed with blowing agent and cross-linking agent for compression molding or injection molding of foamed shoe sole. Another major application of UE659 is to mix with tackifier and PE wax to make hot melt adhesive. Besides, UE659 could be processed by injection molding, and extrusion while incorporated with additives.

應用

1. 壓縮成型(發泡)
2. 熱熔膠

Applications

1. Compression Molding(foam),
2. Hot melt

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 Method	25
密度 Density (g/cm^3)	ASTM D792	0.947
熔融指數 Melt Index (g/10min)	ASTM D1238	2.0
斷裂點抗張強度(模片) Tensile Strength(Molded) (Break) (kg/ cm^2)	ASTM D638	212
斷裂點伸長率 (模片) Ultimate Elongation(Molded) (%)	ASTM D638	890
抗低溫脆裂性 Low Temperature Brittleness(℃/F50)	ASTM D746	<-76
衛氏軟化溫度 Vicat Softening Point(℃)	ASTM D1525	54
熔點 Melt Point (℃)	ASTM D3418	77
硬度(蕭氏 D)Hardness (Shore D)	ASTM D2240	32

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