

EVA RESIN, POLYMER-E[®] 百利滿-E[®]

乙烯醋酸乙烯酯共聚合樹脂

Ethylene Vinyl Acetate Copolymer Resins

EV302



特性

EV302 是一種乙烯醋酸乙烯酯共聚合樹脂，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。

EV302 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。此外，**EV302** 亦可用於射出成型及添加適當添加劑後用於擠壓吹膜。

Characteristics

POLYMER-E[®] EV302 is the ethylene vinyl acetate copolymer resin with excellent low temperature impact strength, environmental stress crack resistance, flexibility, elasticity, transparency, and good processability. It could be developed for many new applications and substitute for flexible PVC, rubbers, and other elastomers.

One of major applications of **POLYMER-E EV302** is incorporated with foaming agent and cross-linking agent for compression molding or injection molding of foamed shoe sole. Besides, **POLYMER-E EV302** could be processed by extrusion, injection molding, and blown-extrusion while incorporated with additives.

應用

1. 射出發泡
2. 射出成型
3. 異型擠壓
4. 擠壓吹膜

Applications

1. Injection foam
2. Injection Molding
3. Profile Extrusion
4. Blown-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 (%)	APC	8
密度 Density (g/cm ³)	ASTM D1505	0.930
熔融指數 Melt Index (g/10min)	ASTM D1238	3.0
斷裂點抗張強度(模片) Tensile Strength at Break (Molded) (kg/cm ²)	ASTM D638	160
斷裂點伸長率(模片) Ultimate Elongation at Break (Molded) (%)	ASTM D638	690
抗低溫脆裂性 Low Temperature Brittleness (°C/F50)	ASTM D746	<-70
衛氏軟化溫度 Vicat Softening Point (°C)	ASTM D1525	77
熔點 Melting Point (°C)	DSC	99
硬度(蕭氏 A) Hardness (Shore A)	ASTM D2240	96

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