

低密度聚乙烯樹脂

Low Density Polyethylene Resins

M5100

特性

百利滿-E M5100 熔融指數較高，熔料流動性好，而且柔軟，所以特別適合射製薄、細小、形狀複雜的塑膠花或塑膠樹葉部，及須有柔軟性的瓶蓋或罐蓋。

百利滿-E M5100 可用乾式混合或均勻擠壓的方法，輕易地染成各種顏色，使成品逼真或美觀。或與尼龍/PET 共混生產超細纖維。

Characteristics

POLYMER-E[®] M5100 is a low density polyethylene resin of high melt index, excellent melt flow and good flexibility, which is suitable for injection molding of artificial flowers, foliage and intricate articles and soft bottles and can lids.

POLYMER-E[®] M5100 can be easily pigmented to any color by either dry blending or melt blending of the pigment into the resin which makes the products appear genuine and attractive. Or dry blending with Nylon/PET to produce microfiber.

應用

1. 射出成型
2. 超細纖維
3. 浸漬塗膠

Applications

1. Injection molding
2. Microfiber.
3. Powder coating

物理性質 Physical Properties

項目 Properties	試驗方法 Test Method		數 值 Typical Value
密度 Density (g/cm ³)	ASTM	D1505	0.917
熔融指數 Melt Index (g/10min)	ASTM	D1238	50
斷裂點抗張強度(模片) Tensile Strength at Break (Molded) (kg/cm ²)	ASTM	D638	80
斷裂點伸長率(模片) Ultimate Elongation at Break (Molded) (%)	ASTM	D638	240
低溫脆裂性 Low Temperature Brittleness (°C/F50)	ASTM	D746	<-60
衛氏軟化溫度 Vicat Softening Point (°C)	ASTM	D1525	80
熔點 Melting Point (°C)	DSC		104
硬度(蕭氏 D)Hardness (Shore D)	ASTM	D2240	46