

## 低密度聚乙烯樹脂

## Low Density Polyethylene Resins

## M2100

## 特性

百利滿-E M2100 是一種低密度聚乙烯樹脂，熔料流動性好，成品光澤度好，適合射製如家庭用品、玩具等。百利滿-E M2100 亦可研磨成粉以供浸漬塗膠加工之用。

## Characteristics

POLYMER-E<sup>®</sup> M2100 having excellent melt flow characteristic, high gloss, is especially used for injection molding applications such as housewares, toys, etc.

POLYMER-E<sup>®</sup> M2100 can also be ground into powder for coating.

## 應用

1. 射出成型
2. 粉末塗膠

## Applications

1. Injection molding
2. 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 <sup>3</sup> )	ASTM	D1505	0.923
熔融指數 Melt Index (g/10min)	ASTM	D1238	26
斷裂點抗張強度(模片) Tensile Strength at Break (Molded) (kg/cm <sup>2</sup> )	ASTM	D638	110
斷裂點伸長率 (模片) Ultimate Elongation at Break (Molded) (%)	ASTM	D638	120
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	93
熔點 Melting Point (°C)	DSC		112
硬度(蕭氏 D)Hardness (Shore D)	ASTM	D2240	53