

## 低密度聚乙烯樹脂

## Low Density Polyethylene Resins

## F8201

## 特性

**百利滿-E F8201** 熔融指數高，經擠壓機加熱熔融之後，流動性好，加工所需背壓低，驅動馬達負荷輕，適合吹製 0.010~0.040mm 厚的 PE 膜，以供包裝西裝、麵包、零售水果、蔬菜、魚、肉，以及雜貨等之用。厚度為 0.03mm 的市場袋用途最廣。

**百利滿-E F8201** 具有高潤滑性及高抗黏性，PE 袋口很容易打開。袋身透明且有光澤，可提高包裝物的商品價值。很薄的 **百利滿-E F8201** 膜仍具有極佳的挺性，但強度較差，所以單位包裝重量宜在 2 公斤以下。

## Characteristics

**POLYMER-E<sup>®</sup> F8201** is a low density polyethylene resin with high melt index suitable for extrusion molding. Owing to its excellent flowability, **POLYMER-E<sup>®</sup> F8201** is suitable for films or bags with thickness of 0.010~0.040 mm for package of suit, bakery, fruit, vegetable, fish, meat, and grocery. Bags with the thickness of 0.030 mm are the most popular used.

**POLYMER-E<sup>®</sup> F8201** is well formulated with slip and anti-block agents, bags made from these are easy to open and with outstanding gloss. This makes goods more attractive to customers. Thin films made from **POLYMER-E<sup>®</sup> F8201** still possess good stiffness, but less strength. Such thin bags are recommended for packaging of goods weighing less than 2 kilograms.

## 應用

1. 吹膜擠壓
2. 包裝用膜

## Applications

1. Blown film
2. Package film

## 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	0.921
熔融指數 Melt Index (g/10min)	ASTM	D1238	8
斷裂點抗張強度(薄膜) MD/TD Tensile Strength at Break (Film) (kg/cm <sup>2</sup> )	ASTM	D882	180/150
斷裂點伸長率 (薄膜) MD/TD Ultimate Elongation at Break (Film) (%)	ASTM	D882	310/510
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	85
熔點 Melting Point (°C)	DSC		109
硬度(蕭氏 D) Hardness (Shore D)	ASTM	D2240	49