



低密度聚乙烯樹脂

Low Density Polyethylene Resins

F1100

特性

百利滿-E F1100 是一種低密度聚乙烯樹脂，熔融指數低，韌性好，適合吹製 PE 膜以供製造手提袋、冷藏袋、夾鏈袋及收縮包裝之用。

百利滿-E F1100 亦可用於加工押出軟管產品。

Characteristics

POLYMER-E<sup>®</sup> F1100 (LDPE) possesses low melt index and good toughness especially suitable for package of shopping bags, cold bags, zipper bags and shrink packaging films applications.

Polymer-E<sup>®</sup> F1100 is also suitably used for extrusion to produce squeezable tube.

應用

1. 吹膜擠壓
2. 押出軟管

Applications

1. Blown film
2. Extruded tubes

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	1.1
斷裂點抗張強度(薄膜) MD/TD Tensile Strength at Break (Film) (kg/cm <sup>2</sup> )	ASTM	D882	260/220
斷裂點伸長率 (薄膜) MD/TD Ultimate Elongation at Break (Film) (%)	ASTM	D882	320/540
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	96
熔點 Melting Point (°C)	DSC		111
硬度(蕭氏 D)Hardness (Shore D)	ASTM	D2240	52