



低密度聚乙烯樹脂

Low Density Polyethylene Resins

C7100

特性

百利滿-E C7100 是一種低密度聚乙烯樹脂，開發用做擠壓淋膜用料，對不同材質皆具有良好黏著力，如紙張及非孔洞性材質鋁箔等。

百利滿-E C7100 加工性及流動性極佳，可用於高速淋膜製程，此外防潮性佳及良好熱封性，是相當優良的淋膜原料。

Characteristics

POLYMER-E<sup>®</sup> C7100 is specially developed for extrusion coating grade LDPE, possessing good adhesion to various substrates such as papers as well as nonporous aluminum foil substrates.

POLYMER-E<sup>®</sup> C7100 can be used in high line speed coating by excellent processibility and flowability. In addition with low vapor transmission and excellent heat sealing properties, it is a excellent coating material.

應用

1. 淋膜
2. 多層黏合

Applications

1. Extrusion coating
2. Lamination

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	0.917
熔融指數 Melt Index (g/10min)	ASTM	D1238	7.3
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	500
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		106
硬度(蕭氏 D)Hardness (Shore D)	ASTM	D2240	48