



低密度聚乙烯樹脂

Low Density Polyethylene Resins

C4100

特性

百利滿-E C4100 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 C4100 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[®] C4100 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[®] C4100 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 an 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 ³)	ASTM	D1505	0.925
熔融指數 Melt Index (g/10min)	ASTM	D1238	3.8
斷裂點抗張強度(模片) Tensile Strength at Break (Molded) (kg/cm ²)	ASTM	D638	120
斷裂點伸長率(模片) Ultimate Elongation at Break (Molded) (%)	ASTM	D638	450
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	98
熔點 Melting Point (°C)	DSC		111
硬度(蕭氏 D)Hardness (Shore D)	ASTM	D2240	55