

# 線塑烯 LINATHENE®

## 線性低密度聚乙烯塑膠原料

### Linear Low Density Polyethylene Resins

#### LL120



#### 特性

線塑烯 LL120 是吹膜擠壓或鑄膜擠壓專用的線型低密度聚乙烯，製作的薄膜具有高韌度、高抗張強度、高伸長率、極佳的耐穿刺強度，適合製作內襯膜、西裝袋、垃圾袋及其他工業或是消費品的包裝應用。

#### Characteristics

LINATHENE LL120 is a butene linear low density polyethylene (LLDPE) developed for tubular blown film or slot cast film extrusion.

Films made from LINATHENE LL120 have excellent toughness, tensile strength, elongation, puncture strength.

LINATHENE LL120 is recommended for the manufacture of prime liner film, garment bag, freezing bag and other industrial and consumer packaging applications.

#### 應用

1. 吹膜擠壓
2. 鑄模擠壓

#### Applications

1. Tubular blown film
2. Slot Cast 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	0.922
熔融指數 Melt Index (g/10min)	ASTM D1238	2.0
降伏點抗張強度 yield point Tensile Strength (kg/cm <sup>2</sup> ) (MD/TD)	ASTM D882	115/110
斷裂點抗張強度 Tensile Strength at break (kg/cm <sup>2</sup> ) (MD/TD)	ASTM D882	250/180
斷裂點伸長率 Elongation at break (%) (MD/TD)	ASTM D882	450/550
抗衝擊強度*(落下實驗)克/半數破壞 Impact Strength(Dart Drop) g/F50*	ASTM D1709	110
抗低溫脆裂性 Low Temperature Brittleness(°C/F50)	ASTM D746	< -76
衛氏軟化溫度 Vicat Softening Point(°C)	ASTM D1525	103
熔點 Melt Point (°C)	USI Method	124

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