

# 線塑烯 LINATHENE®

## 線性低密度聚乙烯塑膠原料

### Linear Low Density Polyethylene Resins

#### LL405



#### 特性

線塑烯 LL405 是專門為迴轉成型而開發出來的線性低密度聚乙烯，具有優異的抗化學性、抗外界應力龜裂性、挺性佳、光澤度好、變形少、加工性優及耐衝擊強度特佳等特性，適合研磨成粉後再迴轉成型製成容器。

線塑烯 LL405 加工佳，可用於製造各式容器，其成品包括化學工廠用的儲槽、洗滌槽、食品工廠用的分類搬運桶、及家庭用水塔、垃圾桶、工具箱等。

#### Characteristics

LINATHENE LL405 is a linear low density polyethylene (LLDPE) developed for rotational molding.

LINATHENE LL405 has excellent environmental stress crack resistance, chemical inertness, low temperature impact strength, rigidity, toughness combined with good moldability and make this resin especially suitable for rotational molding.

LINATHENE LL405 can be ground into powders then molded into large parts, such as storage tanks for chemicals or water, tool boxes, water drums, etc.

#### 應用

1. 迴轉成型

#### Applications

1. Rotational molding

#### 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	0.936
熔融指數 Melt Index (g/10min)	ASTM D1238	5.3
降伏點抗張強度 yield point Tensile Strength (kg/cm <sup>2</sup> )	ASTM D638	190
斷裂點抗張強度 Tensile Strength at break (kg/cm <sup>2</sup> )	ASTM D638	200
斷裂點伸長率 Elongation at break (%)	ASTM D638	900
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	115
熔點 Melt Point (°C)	USI Method	125

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