

# 線塑烯® LL405

# LINATHENE® LL405

# 線性低密度聚乙烯樹脂

# LINEAR LOW DENSITY POLYETHYLENE RESINS



## 概述

線塑烯® LL405 是一種線性低密度聚乙烯樹脂，可運用在迴轉成型與射出成型。

## Description

LINATHENE® LL405 is a linear low density polyethylene resin (LLDPE) for use in rotational molding and injection molding.

## 特性

- ◇ 優異的抗化學性
- ◇ 良好的抗環境應力龜裂性
- ◇ 極佳的挺性
- ◇ 光澤度好
- ◇ 成型物的變形少
- ◇ 傑出的耐衝擊強度

## Characteristics

- ◇ Outstanding chemical inertness
- ◇ Good environmental stress cracking resistance
- ◇ Excellent stiffness
- ◇ Great surface gloss
- ◇ Less deformation
- ◇ High impact strength

## 應用

1. 化學品的儲槽、水桶
2. 流動廁所
3. 交通護欄
4. 大樓垃圾管道
5. 溜滑梯

## Applications

1. Storage tanks for chemicals or water
2. Mobile toilet
3. Portable traffic barrier
4. Rubbish chute
5. Plastic slide

## 物理性質 Physical Properties

項目 Properties	試驗方法 Test Method	數 值 Typical Value
熔融指數 Melt Index (g/10min)	ASTM D1238	5.3
密度 Density (g/cm <sup>3</sup> )	ASTM D792	0.936
降伏點抗張強度 yield point Tensile Strength (kg/cm <sup>2</sup> ) (MD/TD)	ASTM D638	190
斷裂點伸長率 Elongation at break (%) (MD/TD)	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)	ASTM D3418	125
硬度(蕭氏 D)Hardness (Shore D)	ASTM D2240	59

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