

# 線塑烯® LL405 LINATHENE® LL405 線性低密度聚乙烯樹脂



## LINEAR LOW DENSITY POLYETHYLENE RESINS

概述	Description
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。	LINATHENE® LL405 is a linear low density polyethylene resin (LLDPE) for use in rotational molding and injection molding.
特性	Characteristics
◇ 優異的抗化學性	◇ Outstanding chemical inertness
◇ 良好的抗環境應力龜裂性	◇ Good environmental stress cracking resistance
◇ 極佳的挺性	◇ Excellent stiffness
◇ 光澤度好	◇ Great surface gloss
◇ 成型物的變形少	◇ Less deformation
◇ 傑出的耐衝擊強度	◇ High impact strength
應用	Applications
1. 化學品的儲槽、水桶	1. Storage tanks for chemicals or water
2. 流動廁所	2. Mobile toilet
3. 交通護欄	3. Portable traffic barrier
4. 大樓垃圾管道	4. Rubbish chute
5. 溜滑梯	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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