

# 聯塑烯® LH5564 UNITHENE® LH5564 高密度聚乙烯樹脂 HIGH DENSITY POLYETHYLENE RESINS



## 概述

聯塑烯® LH5564 是一種射出級高密度聚乙烯樹脂，可運用於射出成型、粉末塗膠、色母造粒及熔融浸漬加工工法，具有極佳的加工性。

## Description

UNITHENE® LH5564 is an injection grade high density polyethylene resin (HDPE) for use in injection molding, powder coating, master batch and melt impregnation technique. The product is specifically designed to provide excellent processability.

## 特性

- ◇ 極佳的加工性
- ◇ 良好的熱變形溫度
- ◇ 極佳的挺性

## Characteristics

- ◇ Excellent processability
- ◇ Good heat deflection temperature
- ◇ Excellent stiffness

## 應用

1. 熔融浸漬工法
2. 粉末塗膠
3. 薄壁容器
4. 色母造粒

## Applications

1. Melt impregnation
2. Powder coating
3. Thin wall injection molding container
4. Master batch

## 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	64
密度 Density (g/cm <sup>3</sup> )	ASTM D792	0.955
降伏點抗張強度 Tensile Strength (Yield) (kg/cm <sup>2</sup> )	ASTM D638	250
斷裂點伸長率 Ultimate Elongation (%)	ASTM D638	170
抗衝擊強度 Izod Impact Strength(kg-cm/cm)	ASTM D256	2.9
衛氏軟化溫度 Vicat Softening Point(°C)	ASTM D1525	120
熔點 Melt Point (°C)	ASTM D3418	128
硬度(蕭氏 D)Hardness (Shore D)	ASTM D2240	68

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