

# 聯塑烯® LH5590 UNITHENE® LH5590 高密度聚乙烯樹脂 HIGH DENSITY POLYETHYLENE RESINS



## 概述

聯塑烯® LH5590 是一種高流動性的射出級高密度聚乙烯樹脂，具有良好的加工性和熱穩定性，可運用於薄壁射出成型、粉末塗膠、色母造粒。

## Description

UNITHENE® LH5590 is a high-flow injection grade high density polyethylene resin (HDPE) that exhibits enhanced processing and thermal stability for use in thin wall injection molding, powder coating, and master batch.

## 特性

◇ 極佳的加工性

## Characteristics

◇ Excellent processability

## 應用

1. 薄壁容器
2. 粉末塗膠
3. 色母造粒

## Applications

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

## 物理性質 Physical Properties

| 項目<br>Properties                                       | 試驗方法<br>Test Method | 數 值<br>Typical Value |
|--|---------------------|----------------------|
| 熔融指數 Melt Index (g/10min)                              | ASTM D1238          | 90                   |
| 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           | 20                   |
| 抗衝擊強度 Izod Impact Strength(kg-cm/cm)                   | ASTM D256           | 2.7                  |
| 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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