

# 聯塑烯® LH5544 UNITHENE® LH5544 高密度聚乙烯樹脂 HIGH DENSITY POLYETHYLENE RESINS



## 概述

聯塑烯® LH5544 可運用於射出成型、粉末塗膠、色母造粒、熔融浸漬加工工法及無紡布。

聯塑烯® LH5544 具有高流動之特性，因此適合於無紡布之製造。LH5544 可輕易地紡成細絲，用於製造無紡布產品如尿布等複絲之應用。

## Description

UNITHENE® LH5544 is suitable for injection molding, powder coating, master batch, melt impregnation technique and nonwoven fabric.

UNITHENE® LH5544 has the character of high flow, it can be suitable for the manufacture of nonwoven fabric. LH5544 can be easily spun to fine filaments in application of bi-component fibers for nonwoven products such as diapers.

## 特性

- ◇ 極佳的加工性
- ◇ 極佳的挺性
- ◇ 極佳的熱黏著特性

## Characteristics

- ◇ Excellent processability
- ◇ Excellent stiffness
- ◇ Excellent thermal bonding characteristic

## 應用

1. 熔融浸漬工法
2. 粉末塗膠
3. 薄壁容器
4. 色母造粒
5. 複絲和無紡布。

## Applications

1. Melt impregnation
2. Powder coating
3. Thin wall injection molding container
4. Master batch
5. Bi-component filaments and nonwoven fabric

## 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          | 44                   |
| 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           | 200                  |
| 抗衝擊強度 Izod Impact Strength(kg-cm/cm)                   | ASTM D256           | 3.2                  |
| 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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