

# 聯塑烯® LH506 UNITHENE® LH506 高密度聚乙烯樹脂 HIGH DENSITY POLYETHYLENE RESINS



概述	Description
聯塑烯® LH506 是一種高密度聚乙烯樹脂，可運用在射出成型。	UNITHENE® LH506 is a high density polyethylene resin (HDPE) for use in injection molding .
特性	Characteristics
<ul style="list-style-type: none"> <li>◇ 優異的抗衝擊強度</li> <li>◇ 良好的抗環境應力龜裂性</li> </ul>	<ul style="list-style-type: none"> <li>◇ Outstanding impact strength</li> <li>◇ Great environmental stress cracking resistance</li> </ul>
應用	Applications
<ol style="list-style-type: none"> <li>1. 運動器具</li> <li>2. 工業用箱</li> </ol>	<ol style="list-style-type: none"> <li>1. Sport utensils</li> <li>2. Industrial cases</li> </ol>

## 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	5.5
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	760
抗衝擊強度 Izod Impact Strength(kg-cm/cm)	ASTM D256	9
彈性係數(模片) 1% Secant Modulus(Molded) (kg/cm <sup>2</sup> )	ASTM D638	8400
扭轉剛性 Torsional Stiffness (kg/cm <sup>2</sup> )	ASTM D1043	10000
彎曲剛性 Flexural Stiffness (kg/cm <sup>2</sup> )	ASTM D747	9200
低溫脆裂溫度 Low Temperature Brittleness(°C/F50)	ASTM D746	<-76
衛氏軟化溫度 Vicat Softening Point(°C)	ASTM D1525	125
熔點 Melt Point (°C)	ASTM D3418	132
硬度(蕭氏 D)Hardness (Shore D)	ASTM D2240	68

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