

聯塑烯® LH503 UNITHENE® LH503 高密度聚乙烯樹脂 HIGH DENSITY POLYETHYLENE RESINS



概述	Description
聯塑烯® LH503 是一種高密度聚乙烯樹脂，可運用在射出成型及抽製板材。	UNITHENE® LH503 is a high density polyethylene resin (HDPE) for use in injection and extrusion molding.
特性	Characteristics
<ul style="list-style-type: none"> ◇ 高抗環境應力龜裂性 ◇ 極佳的挺性 ◇ 傑出的耐衝擊強度 	<ul style="list-style-type: none"> ◇ Good environmental stress cracking resistance ◇ Excellent stiffness ◇ High impact strength
應用	Applications
<ol style="list-style-type: none"> 1. 瓶蓋 2. 運動護膝及護肘 3. 棧板 	<ol style="list-style-type: none"> 1. Mineral water caps 2. Sports knee and elbow pads 3. Pallets

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	4.1
密度 Density (g/cm ³)	ASTM D792	0.956
降伏點抗張強度 Tensile Strength (Yield) (kg/cm ²)	ASTM D638	250
斷裂點伸長率 Ultimate Elongation (%)	ASTM D638	600
抗衝擊強度 Izod Impact Strength(kg-cm/cm)	ASTM D256	12
彈性係數(模片) 1% Secant Modulus(Molded) (kg/cm ²)	ASTM D638	8500
扭轉剛性 Torsional Stiffness (kg/cm ²)	ASTM D1043	10500
彎曲剛性 Flexural Stiffness (kg/cm ²)	ASTM D747	9500
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	130
硬度(蕭氏 D)Hardness (Shore D)	ASTM D2240	68

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