

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



概述

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。

Description

UNITHENE® LH503 is a high density polyethylene resin (HDPE) for use in injection and extrusion molding.

特性

- ◇ 高抗環境應力龜裂性
- ◇ 極佳的挺性
- ◇ 傑出的耐衝擊強度

Characteristics

- ◇ Good environmental stress cracking resistance
- ◇ Excellent stiffness
- ◇ High impact strength

應用

1. 瓶蓋
2. 運動護膝及護肘
3. 棧板

Applications

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	132
硬度(蕭氏 D)Hardness (Shore D)	ASTM D2240	68

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