

聯塑烯® LH901

UNITHENE® LH901

高密度聚乙烯樹脂

HIGH DENSITY POLYETHYLENE RESINS



概述

聯塑烯® LH901 是一種高密度聚乙烯樹脂，可運用在抽絲加工及平板擠壓。

Description

UNITHENE® LH901 is a high density polyethylene resin (HDPE) for use in filament and sheet extrusion.

特性

- ◇ 延伸性好
- ◇ 表面粗皮少
- ◇ 強度好
- ◇ 高抗環境應力龜裂性

Characteristics

- ◇ Excellent stretchability
- ◇ Less melt fracture
- ◇ High tenacity
- ◇ Great environmental stress cracking resistance

應用

1. 繩子
2. 漁網、沙窗網與濾網
3. 防水布、帆布與積層布
4. 編織袋

Applications

1. Rope
2. Fishing net, windows screen and filters
3. Tarpaulin, canvas and laminated cloth
4. Woven sack

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	0.95
密度 Density (g/cm ³)	ASTM D792	0.953
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	1100
抗衝擊強度 Izod Impact Strength(kg-cm/cm)	ASTM D256	55
彈性係數(模片) 1% Secant Modulus(Molded) (kg/cm ²)	ASTM D638	7400
扭轉剛性 Torsional Stiffness (kg/cm ²)	ASTM D1043	6100
彎曲剛性 Flexural Stiffness (kg/cm ²)	ASTM D747	11000
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	131
硬度(蕭氏 D)Hardness (Shore D)	ASTM D2240	68

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