

聯塑烯 UNITHENE®

高密度聚乙烯塑膠原料

High Density Polyethylene Resins

LH901



特性

聯塑烯 LH901 是一種高密度聚乙烯塑膠，適合於抽絲加工及平板擠壓。因為延伸性好，表面粗皮少，強度好，加工非常容易，所以很適合製造漁網、繩子、沙窗網、沙發布、過濾網、編織袋、帆布、積層布及其他各種工業及裝飾用編織物。此外，亦可用於製造平板、薄膜及射製高抗環境龜裂性成型品。

聯塑烯 LH901 可用乾式混合或熔融混練的方法，輕易地染成各種顏色。

Characteristics

UNITHENE LH901 is a high density polyethylene (HDPE) especially used for the extrusion of filament and sheet. A combination of excellent stretchability, less melt fracture, high tenacity and good processability makes it be suitably tailored for the fabrication of fishing nets, ropes, windows screen, upholstery, filters, woven sacks, canvas laminated cloth and various other industrial and ornamental knitted items. In addition, it can be applied to the manufacture of sheet, thin film and molded articles with good resistance to stress cracking.

UNITHENE LH901 can be easily pigmented to any color by either dry blending or melt blending of the masterbatch into the resin.

應用

1. 抽絲加工(粗圓絲、扁絲、帶)、平板擠壓

Applications

1. Filament Extrusion (coarse monofilament, flat yarn, tape), Sheet Extrusion

物理性質 Physical Properties

項目 Properties	試驗方法 Test Method	數 值 Typical Value
密度 Density (g/cm ³)	ASTM D1505	0.953
熔融指數 Melt Index (g/10min)	ASTM D1238	0.95
降伏點抗張強度 Tensile Strength (Yield) (kg/cm ²)	ASTM D638	250
斷裂點抗張強度 Tensile Strength (Break) (kg/cm ²)	ASTM D638	300
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	7,400
扭轉剛性 Torsional Stiffness (kg/cm ²)	ASTM D1043	6,100
彎曲剛性 Flexural Stiffness (kg/cm ²)	ASTM D747	11,000
抗低溫脆裂性 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)	USI Method	131
硬度(蕭氏 D)Hardness (Shore D)	ASTM D2240	68

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