

聯塑烯® LH523 UNITHENE® LH523 高密度聚乙烯樹脂 HIGH DENSITY POLYETHYLENE RESINS



概述

Description

聯塑烯® LH523 是一種高密度聚乙烯樹脂，可運用在射出成型及粉末塗膠。

UNITHENE® LH523 is a high density polyethylene resin (HDPE) for use in injection molding and powder coating.

特性

Characteristics

- ◇ 加工性極佳
- ◇ 高抗環境應力龜裂性
- ◇ 傑出的耐衝擊強度
- ◇ 極佳的挺性
- ◇ 硬度高
- ◇ 良好的光澤度
- ◇ 成型物的變形少

- ◇ Excellent processability
- ◇ Good environmental stress cracking resistance
- ◇ High impact strength
- ◇ Excellent stiffness
- ◇ High hardness
- ◇ Great surface gloss
- ◇ Less warpage

應用

Applications

1. 沙灘車外殼
2. 矽膠管

1. All-terrain vehicle(ATV) plastic body
2. Silicone sealant tube

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	23
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	230
斷裂點伸長率 Ultimate Elongation (%)	ASTM D638	300
抗衝擊強度 Izod Impact Strength(kg-cm/cm)	ASTM D256	3.5
彈性係數(模片) 1% Secant Modulus(Molded) (kg/cm ²)	ASTM D638	7600
扭轉剛性 Torsional Stiffness (kg/cm ²)	ASTM D1043	9200
彎曲剛性 Flexural Stiffness (kg/cm ²)	ASTM D747	8200
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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