

## 永嘉烯 YUNGSOX

### 3003

#### 耐衝擊共聚物 IMPACT COPOLYMER

#### 用途 Applications

- PPB 管材 PPB pipe
- 真空成型板 Thermoforming sheet
- 吹製成型 Blow molding

#### 特性 Characteristics

- 高衝擊強度 High impact strength
- 低溫脆性優  
Excellent resistance to low temperature brittleness
- 熔融強度優 Excellent melt strength

#### 物性 Typical Properties

項目 Properties	單位 Unit	檢驗方法 Test Method	平均值 Typical Value
熔融指數 Melt Index	g/10min	ISO1133 (ASTM D-1238)	0.35
密度 Density	g/cm <sup>3</sup>	ISO1183 (ASTM D792)	0.90
熔點 Melting Point	°C	DSC	---
熱變形溫度 Heat Deflection Temperature	°C	ISO75 (ASTM D-648)	110
軟化點溫度 Vicat Softening Temperature	°C	ISO306	145
降伏點拉力強度 Tensile Strength at Yield	Kg/cm <sup>2</sup> (MPa)	ISO527 (ASTM D-638)	250 (25)
斷裂點伸長率 Tensile Elongation at Break	%	ISO527 (ASTM D-638)	500
洛氏硬度 Rockwell Hardness	R scale	ISO2039 (ASTM D-785)	95
剛性係數 Flexural Modulus	Kg/cm <sup>2</sup> (MPa)	ISO178 (ASTM D-790)	13,000 (1275)
IZOD 衝擊強度 IZOD Impact Strength	Kg.cm/cm Notch (J/m)	ISO 180 (ASTM D-256)	23°C (882)
			-20°C (157)
收縮率 Mold Shrinkage	%	FPC Method	1.3-1.7

本表數據為代表值，僅供選擇品級用途之參考

The details given in this data sheet are our standard value but not specification guaranteed.

#### FDA 認可 FDA Approval

永嘉烯 3003 符合美國食品及藥物管理局 21 CFR 177.1520 之規範，可直接與食物接觸。

Yungsox 3003 resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.