

## 永嘉烯 YUNGSOX

### 5090R

無規共聚物 RANDOM COPOLYMER

#### 用途 Applications

- 一次性針筒 Disposable syringes
- 血液透析管外殼 Dialyzer housing
- 適用於  $\gamma$ -ray 消毒 Anti  $\gamma$ -ray

#### 特性 Characteristics

- 高透明性 High transparency
- 抗化學藥品性佳 Good resistance to chemical
- 節能減碳 Energy-saving and carbon reduction

#### 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)	19
密度 Density	g/cm <sup>3</sup>	ISO1183 (ASTM D792)	0.90
熔點 Melting Point	°C	DSC	146
熱變形溫度 Heat Deflection Temperature	°C	ISO75 (ASTM D-648)	95
軟化點溫度 Vicat Softening Temperature	°C	ISO306	125
降伏點拉力強度 Tensile Strength at Yield	Kg/cm <sup>2</sup> (MPa)	ISO527 (ASTM D-638)	280 (27)
斷裂點伸長率 Tensile Elongation at Break	%	ISO527 (ASTM D-638)	300
洛氏硬度 Rockwell Hardness	R scale	ISO2039 (ASTM D-785)	98
剛性係數 Flexural Modulus	Kg/cm <sup>2</sup> (MPa)	ISO178 (ASTM D-790)	10,500 (1030)
IZOD 衝擊強度 IZOD Impact Strength	Kg.cm/cm Notch (J/m)	ISO 180 23°C (ASTM D-256) -20°C	6 (59) ---
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 5090R 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 5090R resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

#### USP 生物試驗 USP Biological Reactivity Tests

永嘉烯 5090R 通過美國藥典塑膠第六級試驗。

Yungsox 5090R resin meets the requirements of USP Plastic Class VI.

#### ISO 10993 醫療器材生物相容性 ISO 10993 Biocompatibility of Medical Devices

永嘉烯 5090R 通過 ISO 10993 醫療器材生物相容性試驗。

Yungsox 5090R resin meets the ISO 10993 Biocompatibility Testing of Medical Devices.

## UL 節能環保標章 UL Environment Claim Validation Mark

永嘉烯5090R通過UL環保節能標章申請，可為生產透明PP部件平均節省10%的能源。

Yungsox 5090R enables an average of 10% of energy savings for production of clarified PP parts.

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