

## 永嘉烯 YUNGSOX

### 5090T

無規共聚物 RANDOM COPOLYMER

#### 用途 Applications

- 高透明容器 High transparency container
- 透明家庭用品 Transparency housewares
- 一次性針筒 Disposable syringes

#### 特性 Characteristics

- 高透明性 High transparency
- 抗化學藥品性佳 Good resistance to chemical

#### 物性 Typical Properties

| 項目<br>Properties                      | 單位<br>Unit                  | 檢驗方法<br>Test Method      | 平均值<br>Typical Value              |
|---------------------------------------|-----------------------------|--------------------------|-----------------------------------|
| 熔融指數<br>Melt Index                    | g/10min                     | ISO1133<br>(ASTM D-1238) | 15                                |
| 密度<br>Density                         | g/cm <sup>3</sup>           | ISO1183<br>(ASTM D792)   | 0.90                              |
| 熔點<br>Melting Point                   | °C                          | DSC                      | 146                               |
| 熱變形溫度<br>Heat Deflection Temperature  | °C                          | ISO75<br>(ASTM D-648)    | 95                                |
| 軟化點溫度<br>Vicat Softening Temperature  | °C                          | ISO306                   | 125                               |
| 降伏點拉力強度<br>Tensile Strength at Yield  | Kg/cm <sup>2</sup><br>(MPa) | ISO527<br>(ASTM D-638)   | 280<br>(27)                       |
| 斷裂點伸長率<br>Tensile Elongation at Break | %                           | ISO527<br>(ASTM D-638)   | 300                               |
| 洛氏硬度<br>Rockwell Hardness             | R scale                     | ISO2039<br>(ASTM D-785)  | 98                                |
| 剛性係數<br>Flexural Modulus              | Kg/cm <sup>2</sup><br>(MPa) | ISO178<br>(ASTM D-790)   | 10,500<br>(1030)                  |
| IZOD 衝擊強度<br>IZOD Impact Strength     | Kg.cm/cm<br>Notch<br>(J/m)  | ISO 180<br>(ASTM D-256)  | 23°C<br>6<br>(59)<br>-20°C<br>--- |
| 收縮率<br>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 5090T 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 5090T resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

#### UL 認證 UL Certification

永嘉烯 5090T 通過美國 UL 94HB 認證，UL 檔案編號: E216959。

Yungsox 5090T is certificated with UL 94HB, UL file no.: E216959.

## USP 生物試驗 USP Biological Reactivity Tests

永嘉烯5090T通過美國藥典塑膠第六級試驗。

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

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