



ISO 9001,14001 and OHSAS 18001 Certified

ISO 9001, 14001 與 OHSAS 18001 認證

## Technical Data Sheet / 技術資料表

| Globalene PT103                                                                                                                                                |                  | Polypropylene Random Copolymer 聚丙烯無規共聚物                                                                                                                                            |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Features 特性:</b> <ul style="list-style-type: none"> <li>High transparency 高透明性</li> <li>Good stiffness 剛性佳</li> <li>Good thermoformability 熱成型性佳</li> </ul> |                  | <b>Typical Application 一般應用:</b> <ul style="list-style-type: none"> <li>Extrusion: sheet 板</li> <li>Thermoforming: cup, tray, bowl 杯、碗盤</li> <li>Blow molding: bottle 瓶</li> </ul> |          |
| Typical Property 一般性質                                                                                                                                          | Test Method 測試方法 | Unit 單位                                                                                                                                                                            | Value 數值 |
| Melt flow rate (230°C, 2.16kg) 熔融流率                                                                                                                            | ASTM D1238       | g/10min                                                                                                                                                                            | 1.6      |
| Density 密度                                                                                                                                                     | ASTM D792        | g/cm <sup>3</sup>                                                                                                                                                                  | 0.903    |
| Elongation at yield 降伏點伸張率                                                                                                                                     | ASTM D638        | %                                                                                                                                                                                  | 11       |
| Elongation at break 斷裂點伸張率                                                                                                                                     | ASTM D638        | %                                                                                                                                                                                  | 240      |
| Tensile strength at yield 降伏點抗張強度                                                                                                                              | ASTM D638        | kg/cm <sup>2</sup>                                                                                                                                                                 | 360      |
| Flexural modulus 彎曲彈性係數                                                                                                                                        | ASTM D790        | kg/cm <sup>2</sup>                                                                                                                                                                 | 14900    |
| Rockwell hardness 洛氏硬度                                                                                                                                         | ASTM D785        | R scale                                                                                                                                                                            | 93       |
| Heat deflection temperature (4.6 kg/cm <sup>2</sup> ) 熱變形溫度                                                                                                    | ASTM D648        | °C                                                                                                                                                                                 | 104      |
| Izod impact strength, notched 23°C 艾氏衝擊強度, 切口 23°C                                                                                                             | ASTM D256        | kg-cm/cm                                                                                                                                                                           | 4.0      |
| Mold shrinkage 收縮率                                                                                                                                             | ASTM D955        | %                                                                                                                                                                                  | 1.4      |

### Storage and Handling 儲放與處置

The inspected and qualified PP pellets will have a shelf life of minimum two years which is estimated from production date, if it is stored at LCY's best condition of proper temperature below 40°C, adequate humidity below 80%, complete package and indoor warehouse with specific protection from damage. However customers might not fully follow the recommendation to conduct the optimal storage condition, the shelf life is recommended six months only at customer site as received.

本公司所生產聚丙烯(塑膠粒)經首次產品驗證程式確認品質後，在適合的溫度(低於 40°C)、適當的濕度(低於 80%)、包裝袋完整、且具有防護設備的倉庫儲存下，其有效使用期限至少 2 年(以製造日期起算)。考慮用戶端的儲存條件可能無法完全依照本公司建議來執行，客戶在購入聚丙烯產品(塑膠粒)後，保存期限建議最高為 6 個月。