



Technical Data Sheet / 技术数据表

2024.10.15 REVISED

| Globalene 6681                                                                                                                                          |                  | Polypropylene Healthcare Grade 醫療器械用途級聚丙烯                                                                                      |          |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------|----------|--|
| <b>Features 特性:</b> <ul style="list-style-type: none"><li>High flow rate 高流动性</li><li>Excellent transparency 超高透明性</li><li>High stiffness 高刚性</li></ul> |                  | <b>Typical Application 一般应用:</b> <ul style="list-style-type: none"><li>Injection: Pre-filled Flush Syringes 预充式导管冲洗器</li></ul> |          |  |
| Typical Property 一般性质                                                                                                                                   | Test Method 测试方法 | Unit 单位                                                                                                                        | Value 数值 |  |
| Melt flow rate (230°C, 2.16kg) 熔融流率                                                                                                                     | ASTM D1238       | g/10min                                                                                                                        | 25       |  |
| Density 密度                                                                                                                                              | ASTM D792        | g/cm³                                                                                                                          | 0.907    |  |
| Elongation at yield 降伏点伸张率                                                                                                                              | ASTM D638        | %                                                                                                                              | 7        |  |
| Elongation at break 断裂点伸张率                                                                                                                              | ASTM D638        | %                                                                                                                              | 16       |  |
| Tensile strength at yield 降伏点抗张强度                                                                                                                       | ASTM D638        | kg/cm²                                                                                                                         | 400      |  |
| Flexural modulus 弯曲弹性系数                                                                                                                                 | ASTM D790        | kg/cm²                                                                                                                         | 19600    |  |
| Rockwell hardness 洛氏硬度                                                                                                                                  | ASTM D785        | R scale                                                                                                                        | 106      |  |
| Heat deflection temperature (4.6 kg/cm²) 热变形温度                                                                                                          | ASTM D648        | °C                                                                                                                             | 109      |  |
| Izod impact strength, notched 23°C 艾氏冲击强度, 切口 23°C                                                                                                      | ASTM D256        | kg-cm/cm                                                                                                                       | 2.2      |  |
| Mold shrinkage 收缩率                                                                                                                                      | ASTM D955        | %                                                                                                                              | 1.4      |  |

Storage and Handling 储放与处置

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.

本公司所生产聚丙烯(塑膠粒)经首次产品验证程序确认质量后，在适合的温度(低于 40°C)、适当的湿度(低于 80%)、包装袋完整、且具有防护设备的仓库储存下，其有效使用期限至少 2 年(以制造日期起算)。考虑客户端的储存条件可能无法完全依照本公司建议来执行，客户在购入聚丙烯产品(塑膠粒)后，保存期限建议最高为 6 个月。

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The values quoted here are typical of the grade. It should not be construed as specification.

这里引用的是该牌号的典型值。它不应该被解释为产品规格/规范。

Ultimately customers must make their own independent determination that these products are suitable for the intended use, and their use of our product is safe, lawful (except as provided in the above information) and technically suitable in their intended applications.

客户必须根据其预期或打算的最终成品用途，来判断与决定列于此的产品(材料)是适合的，并且考虑到这样的材料与用途组合不仅能符合相关安全与法规要求(除了以上提供的数据外)，并且也满足在技术层面的需求。