

## 产品信息 Product Information

### Paryls® LCP L1340 GM45

**Latest Revision: Feb 18<sup>th</sup>, 2019**

#### 产品描述 Products Information

45% glass fiber and mineral Reinforced Liquid Crystal Polyme 45%玻纤和矿物填充改性液晶聚酯

#### 产品特点 Products Features

High strength、Warp resistant 高强度、低翘曲

#### 产品用途 Applications

High- temperature electrical components 电器高温部件

| 未着色产品的典型值，在 23℃下<br>Typical values for uncolored product at 23℃   | 测试方法<br>Test method | 单位<br>Unit        | 典型值<br>Typical Values |
|---|---------------------|-------------------|-----------------------|
| <b>机械性能 Mechanical Properties</b>                                 |                     |                   |                       |
| 拉伸强度 Tensile Strength(Break)                                      | ISO 527-1/-2        | MPa               | 115                   |
| 拉伸模量 Tensile Modulus  | ISO 527-1/-2        | MPa               | 14000                 |
| 断裂伸长率 Tensile Elongation(Break)                                   | ISO 527-1/-2        | %                 | 2                     |
| 弯曲强度 Flexural Strength  | ISO 178             | MPa               | 160                   |
| 弯曲模量 Flexural Modulus   | ISO 178             | MPa               | 13000                 |
| Izod 缺口冲击强度 Notched Izod Impact                                   | ISO 180/A           | kJ/m <sup>2</sup> | 7                     |
| <b>热性能 Thermal properties</b>                                     |                     |                   |                       |
| 热变形温度 HDT/A @1.8MPa Heat Deflection Temperature                   | ISO 75-1/-2         | ℃                 | 260                   |
| <b>电性能 Electrical Properties</b>                                  |                     |                   |                       |
| 表面电阻率 Surface Resistivity   | IEC 60093           | Ω                 | >E*14                 |
| <b>燃烧特性 Flammability</b>  |                     |                   |                       |
| 厚度 0.8mm, Flame Rating@0.8mm thickness                            | UL94                | Class             | V-0                   |
| <b>一般及加工性能 General Properties and Processability</b>              |                     |                   |                       |
| 密度 Density  | ISO1183             | g/cm <sup>3</sup> | 1.77                  |
| 饱和吸水率@23℃/50%相对湿度<br>Moisture Absorption, Equilibrium 23℃/50% r.h | ISO62               | %                 | 0.04                  |
| 模塑收缩率 Mold shrinkage  | ISO 2577, 294-4     | -                 | 0.1-0.2               |
| 熔体温度范围，注塑/挤出成型<br>Processing (Melt)Temp, Injection/Extrusion      | -                   | ℃                 | 320-370               |
| 模具温度范围，注塑/挤出成型<br>Mold Temp, Injection/Extrusion                  | -                   | ℃                 | 80~150                |
| 烘干温度 Pre-dry Temp.  | -                   | ℃                 | 120~150               |
| 烘干时间 Pre-dry time   | -                   | h                 | 6-12                  |

备注 Notes:

典型值：此典型值不应解释为规格。Typical properties: These are not to be construed as specifications.