

**CHIMEI**

a step up

**Flame Retardant ABS POLYLAC® Characteristics PA-764**

| 特性<br>PROPERTIES                         | 測試方法<br>ASTM<br>TEST<br>METHOD | 測試條件<br>TEST<br>CONDITION | 單位<br>UNIT                            | 防火級<br>FLAME RETARDANT                 |
|--|--------------------------------|---------------------------|---------------------------------------|--|
|  |                                |                           |                                       | PA-764                                 |
| 熔融指數<br>Melt Flow Index                  | D1238                          | 200 °C, 5 Kg              | g/10 min                              | 3.2                                    |
| 比重<br>Mass Density                       | D792                           | 23 °C                     | -                                     | 1.19                                   |
| 硬度<br>Hardness                           | D785                           | -                         | R Scale                               | 98                                     |
| 拉伸強度 (屈服)<br>Tensile Strength<br>(Yield) | D638                           | 6 mm/min                  | Kg/cm <sup>2</sup>                    | 370                                    |
|  |                                |                           | lb/in <sup>2</sup>                    | 5250                                   |
| 延伸率<br>Tensile Elongation                | D638                           | 6 mm/min                  | %                                     | 15                                     |
| 彎曲強度<br>Flexural Strength                | D790                           | 2.8 mm/min                | Kg/cm <sup>2</sup>                    | 590                                    |
|  |                                |                           | lb/in <sup>2</sup>                    | 8360                                   |
| 彎曲彈性模數<br>Flexural Modulus               | D790                           | 2.8 mm/min                | 10 <sup>4</sup><br>Kg/cm <sup>2</sup> | 2.0                                    |
|  |                                |                           | 10 <sup>5</sup><br>lb/in <sup>2</sup> | 2.8                                    |
| IZOD 衝擊強度<br>Izod Impact<br>Strength     | D256<br>(Notched)              | 6.4 mm, 23°C              | Kg-cm/cm                              | 12                                     |
|  |                                |                           | ft-lb/in                              | 2.2                                    |
|  |                                | 3.2 mm, 23°C              | Kg-cm/cm                              | 14                                     |
|  |                                |                           | ft-lb/in                              | 2.6                                    |
| 維氏軟化溫度<br>Vicat Softening<br>Temp.       | D1525                          | 1 Kg, 50 °C/hr            | °C                                    | 97                                     |
|  |                                |                           | °F                                    | 207                                    |
| 熱變形溫度<br>Heat Distortion<br>Temp.        | D648                           | 1.8 MPa Annealed          | °C                                    | 92                                     |
|  |                                |                           | °F                                    | 198                                    |
|  |                                | 1.8 MPa<br>Unannealed     | °C                                    | 78                                     |
|  |                                |                           | °F                                    | 174                                    |
| UL 燃燒等級<br>UL Flammability               | UL 94                          | -                         | -                                     | 1.5 mm V-0<br>1.5 mm 5VB<br>2.5 mm 5VA |