

**CHIMEI**

a step up

**High Flow ABS POLYLAC® Characteristics PA-756H**

| 特性<br>PROPERTIES                      | 測試方法<br>ASTM<br>TEST METHOD | 測試條件<br>TEST CONDITION | 單位<br>UNIT                         | 高流動級 HIGH FLOW |
|---------------------------------------|-----------------------------|------------------------|------------------------------------|----------------|
|                                       |                             |                        |                                    | PA-756H        |
| 熔融指數<br>Melt Flow Index               | D1238                       | 200 °C, 5 Kg           | g/10 min                           | 8.0            |
|                                       |                             | 220 °C, 10 Kg          |                                    | -              |
| 比重<br>Mass Density                    | D792                        | 23 °C                  | -                                  | 1.05           |
| 硬度<br>Hardness                        | D785                        | -                      | R Scale                            | 115            |
| 拉伸強度 (屈服)<br>Tensile Strength (Yield) | D638                        | 6 mm/min               | Kg/cm <sup>2</sup>                 | 400            |
|                                       |                             |                        | lb/in <sup>2</sup>                 | 5670           |
| 延伸率<br>Tensile Elongation             | D638                        | 6 mm/min               | %                                  | 10             |
| 彎曲強度<br>Flexural Strength             | D790                        | 2.8 mm/min             | Kg/cm <sup>2</sup>                 | 640            |
|                                       |                             |                        | lb/in <sup>2</sup>                 | 9070           |
| 彎曲彈性模數<br>Flexural Modulus            | D790                        | 2.8 mm/min             | 10 <sup>4</sup> Kg/cm <sup>2</sup> | 2.3            |
|                                       |                             |                        | 10 <sup>5</sup> lb/in <sup>2</sup> | 3.2            |
| IZOD 衝擊強度<br>Izod Impact Strength     | D256 (Notched)              | 6.4 mm, 23°C           | Kg-cm/cm                           | 9              |
|                                       |                             |                        | ft-lb/in                           | 1.7            |
|                                       |                             | 3.2 mm, 23°C           | Kg-cm/cm                           | 10             |
|                                       |                             |                        | ft-lb/in                           | 1.9            |
| 維氏軟化溫度<br>Vicat Softening Temp.       | D1525                       | 1 Kg, 50 °C/hr         | °C                                 | 105            |
|                                       |                             |                        | °F                                 | 221            |
| 熱變形溫度<br>Heat Distortion Temp.        | D648                        | 1.8 MPa Annealed       | °C                                 | 95             |
|                                       |                             |                        | °F                                 | 203            |
|                                       |                             | 1.8 MPa Unannealed     | °C                                 | 85             |
|                                       |                             |                        | °F                                 | 186            |
| UL 燃燒等級<br>UL Flammability            | UL 94                       | -                      | -                                  | 1.5 mm HB      |