

**CHIMEI**

a step up

**General SAN KIBISAN® Characteristics PN-127H**

| 特性<br>PROPERTIES                         | 測試方法<br>ASTM<br>TEST METHOD | 測試條件<br>TEST<br>CONDITION | 單位<br>UNIT                            | 通用級 GENERAL |
|------------------------------------------|-----------------------------|---------------------------|---------------------------------------|-------------|
|                                          |                             |                           |                                       | PN-127H     |
| 熔融指數<br>Melt Flow Index                  | D1238                       | 200 °C, 5 Kg              | g/10 min                              | 1.5         |
| 比重<br>Mass Density                       | D792                        | 23 °C                     | -                                     | 1.06        |
| 硬度<br>Hardness                           | D785                        | -                         | M Scale                               | 85          |
| 拉伸強度 (屈服)<br>Tensile Strength<br>(Yield) | D638                        | 6 mm/min                  | Kg/cm <sup>2</sup>                    | 780         |
|                                          |                             |                           | lb/in <sup>2</sup>                    | 11100       |
| 延伸率<br>Tensile Elongation                | D638                        | 6 mm/min                  | %                                     | 6           |
| 彎曲強度<br>Flexural Strength                | D790                        | 2.8 mm/min                | Kg/cm <sup>2</sup>                    | 1100        |
|                                          |                             |                           | lb/in <sup>2</sup>                    | 15600       |
| 彎曲彈性模數<br>Flexural Modulus               | D790                        | 2.8 mm/min                | 10 <sup>4</sup><br>Kg/cm <sup>2</sup> | 3.7         |
|                                          |                             |                           | 10 <sup>5</sup> lb/in <sup>2</sup>    | 5.2         |
| IZOD 衝擊強度<br>Izod Impact Strength        | D256<br>(Notched)           | 6.4 mm, 23°C              | Kg-cm/cm                              | 1.9         |
|                                          |                             |                           | ft-lb/in                              | 0.35        |
|                                          |                             | 3.2 mm, 23°C              | Kg-cm/cm                              | 2.2         |
|                                          |                             |                           | ft-lb/in                              | 0.42        |
| 維氏軟化溫度<br>Vicat Softening Temp.          | D1525                       | 1 Kg, 50 °C/hr            | °C                                    | 107         |
|                                          |                             |                           | °F                                    | 224         |
| 熱變形溫度<br>Heat Distortion Temp.           | D648                        | Annealed                  | °C                                    | 103         |
|                                          |                             |                           | °F                                    | 217         |
|                                          |                             | Unannealed                | °C                                    | 94          |
|                                          |                             |                           | °F                                    | 201         |
| UL 燃燒等級<br>UL Flammability               | UL 94                       | -                         | -                                     | 1.5 mm HB   |