

## General SAN KIBISAN® Characteristics PN-107

| 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-107      |
| 熔融指數<br>Melt Flow Index                  | D1238                       | 200 °C, 5 Kg              | g/10 min                           | 5.0         |
| 比重<br>Mass Density                       | D792                        | 23 °C                     | -                                  | 1.06        |
| 硬度<br>Hardness                           | D785                        | -                         | M Scale                            | 83          |
| 拉伸強度 (屈服)<br>Tensile Strength<br>(Yield) | D638                        | 6 mm/min                  | Kg/cm <sup>2</sup>                 | 620         |
|                                          |                             |                           | lb/in <sup>2</sup>                 | 8800        |
| 延伸率<br>Tensile Elongation                | D638                        | 6 mm/min                  | %                                  | 5           |
| 彎曲強度<br>Flexural Strength                | D790                        | 2.8 mm/min                | Kg/cm <sup>2</sup>                 | 900         |
|                                          |                             |                           | lb/in <sup>2</sup>                 | 12800       |
| 彎曲彈性模數<br>Flexural Modulus               | D790                        | 2.8 mm/min                | 10 <sup>4</sup> Kg/cm <sup>2</sup> | 3.5         |
|                                          |                             |                           | 10 <sup>5</sup> lb/in <sup>2</sup> | 5.0         |
| IZOD 衝擊強度<br>Izod Impact Strength        | D256<br>(Notched)           | 6.4 mm, 23°C              | Kg-cm/cm                           | 1.7         |
|                                          |                             |                           | ft-lb/in                           | 0.31        |
|                                          |                             | 3.2 mm, 23°C              | Kg-cm/cm                           | 1.8         |
|                                          |                             |                           | ft-lb/in                           | 0.33        |
| 維氏軟化溫度<br>Vicat Softening Temp.          | D1525                       | 1 Kg, 50 °C/hr            | °C                                 | 104         |
|                                          |                             |                           | °F                                 | 219         |
| 熱變形溫度<br>Heat Distortion Temp.           | D648                        | Annealed                  | °C                                 | 100         |
|                                          |                             |                           | °F                                 | 212         |
|                                          |                             | Unannealed                | °C                                 | 90          |
|                                          |                             |                           | °F                                 | 194         |
| UL 燃燒等級<br>UL Flammability               | UL 94                       | -                         | -                                  | 1.5 mm HB   |

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Notes : These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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