

## Flame Retardant PC WONDERLITE® Characteristics PC-110V

| 特性<br>PROPERTIES                      | 測試方法<br>ASTM<br>TEST METHOD | 測試條件<br>TEST CONDITION | 單位<br>UNIT                         | 阻燃級<br>FLAME RETARDANT |
|---------------------------------------|-----------------------------|------------------------|------------------------------------|------------------------|
|                                       |                             |                        |                                    | PC-110V                |
| 熔融指數<br>Melt Flow Index               | D1238                       | 300 °C, 1.2 Kg         | g/10 min                           | 10.0                   |
| 比重<br>Mass Density                    | D792                        | 23 °C                  | -                                  | 1.2                    |
| 硬度<br>Hardness                        | D785                        | -                      | M Scale                            | 77                     |
| 拉伸強度 (屈服)<br>Tensile Strength (Yield) | D638                        | 6 mm/min               | Kg/cm <sup>2</sup>                 | 630                    |
|                                       |                             |                        | lb/in <sup>2</sup>                 | 8935                   |
| 延伸率<br>Tensile Elongation             | D638                        | 6 mm/min               | %                                  | 110                    |
| 彎曲強度<br>Flexural Strength             | D790                        | 1.3 mm/min             | Kg/cm <sup>2</sup>                 | 920                    |
|                                       |                             |                        | lb/in <sup>2</sup>                 | 13030                  |
| 彎曲彈性模數<br>Flexural Modulus            | D790                        | 1.3 mm/min             | 10 <sup>4</sup> Kg/cm <sup>2</sup> | 2.4                    |
|                                       |                             |                        | 10 <sup>5</sup> lb/in <sup>2</sup> | 3.4                    |
| IZOD 衝擊強度<br>Izod Impact Strength     | D256 (Notched)              | 3.2 mm, 23°C           | Kg-cm/cm                           | 87                     |
|                                       |                             |                        | ft-lb/in                           | 15.9                   |
| 維氏軟化溫度<br>Vicat Softening Temp.       | D1525                       | 1 Kg, 50 °C/hr         | °C                                 | 150                    |
|                                       |                             |                        | °F                                 | 302                    |
| 熱變形溫度<br>Heat Distortion Temp.        | D648                        | Unannealed             | °C                                 | 125                    |
|                                       |                             |                        | °F                                 | 257                    |
| UL 燃燒等級<br>UL Flammability            | UL 94                       | -                      | -                                  | 3.0 mm V-2             |

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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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