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## 通用級 STANDARD GRADE PC LV-2225Y

| 性能<br>Properties                                 | 測驗方法<br>Standards           | 測試條件<br>Conditions | 單位<br>Units            | LV-2225Y               |
|--------------------------------------------------|-----------------------------|--------------------|------------------------|------------------------|
| <b>物理性能</b><br>Physical Properties               |                             |                    |                        |                        |
| 比重<br>Specific Gravity                           | ISO 1183                    | —                  | kg/m <sup>3</sup>      | 1200                   |
| 熔融流動率<br>Melt Flow Index                         | ISO 1133                    | 300°C, 1.2kg       | cm <sup>3</sup> /10min | 11                     |
| 吸水率<br>Water Absorption                          | ISO 62                      | 23°C, 24hr         | %                      | 0.2                    |
| 透光率<br>Total Light Transmittance                 | ASTM D1003                  | 3mm                | %                      | 88                     |
| 折射率<br>Refractive Index                          | ASTM D542                   | —                  | —                      | 1,585                  |
| 收縮率<br>Molding Shrinkage                         | —                           | —                  | %                      | 0.5—0.7                |
| <b>熱性能</b><br>Thermal Properties                 |                             |                    |                        |                        |
| 軟化溫度<br>Vicat Softening Temperature              | D1525                       | 50°C/h, 50N        | °C                     | 148                    |
| 熱變形溫度<br>Heat Deflection Temperature             | ISO 75-1<br>ISO 75-2        | 0.45 MPa           | °C                     | 141                    |
|                                                  |                             | 1.8 MPa            |                        | 128                    |
| 線膨脹系數<br>Coefficient of Linear Thermal Expansion | ISO 11359-2                 | —                  | x 10 <sup>-4</sup> /°C | 0.7                    |
| 燃燒性<br>Flammability                              | UL-94                       | —                  | —                      | V-2                    |
| <b>機械性能</b><br>Mechanical Properties             |                             |                    |                        |                        |
| 拉伸強度<br>Tensile Strength                         | ISO 178                     | 2mm/min            | MPa                    | 61                     |
| 拉伸模量<br>Tensile Modulus                          | ISO 178                     | 2mm/min            | MPa                    | 2,400                  |
| 撓曲強度<br>Flexural Strength                        | ISO 527-1<br>&<br>ISO 527-2 | 50mm/min           | MPa                    | 92                     |
| 彎曲模量<br>Flexural Modulus                         |                             | 1mm/min            | MPa                    | 2,350                  |
| 艾佐德衝擊值<br>Izod Impact Strength                   | ISO 179                     | Notched            | kJ/m <sup>2</sup>      | 71                     |
| <b>電性能</b><br>Electrical Properties              |                             |                    |                        |                        |
| 體積電阻系數<br>Volume Resistivity                     | IEC 60093                   | —                  | Ω.cm                   | > 1 x 10 <sup>13</sup> |
| 表面電阻系數<br>Surface Resistivity                    | IEC 60093                   | —                  | Ω                      | > 1 x 10 <sup>15</sup> |
| 損耗正切<br>Dissipation Factor                       | IEC 60250                   | 100Hz              | x 10 <sup>-4</sup> /°C | 10                     |
|                                                  |                             | 1MHz               |                        | 90                     |
| 介電常數<br>Dielectric Constant                      | IEC 60250                   | 100Hz              | —                      | 3.1                    |
|                                                  |                             | 1MHz               |                        | 3                      |

上列數據仕僅供參考，並不為此承擔任何責任和保證。

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