

## General PMMA ACRYREX® Characteristics CM-211

| 特性<br><b>PROPERTIES</b>                          | 測試方法<br><b>ASTM<br/>TEST METHOD</b> | 測試條件<br><b>TEST<br/>CONDITION</b> | 單位<br><b>UNIT</b>  | 一般級 <b>GENERAL</b> |
|--|-------------------------------------|-----------------------------------|--------------------|--------------------|
|  |                                     |                                   |                    | <b>CM-211</b>      |
| 熔融指數<br><b>Melt Flow Index</b>                   | D1238                               | 230 °C, 3.8 Kg                    | g/10 min           | 16.0               |
| 比重<br><b>Mass Density</b>                        | D792                                | 23 °C                             | -                  | 1.19               |
| 假比重<br><b>Bulk Density</b>                       | D1182                               |                                   | g/cm <sup>3</sup>  | 0.7                |
| 吸水率<br><b>Water Absortion</b>                    | D570                                |                                   | %                  | 0.3                |
| 成型收縮率<br><b>Mould Shrinkage</b>                  | D955                                |                                   | %                  | 0.2~0.6            |
| 硬度<br><b>Hardness</b>                            | D785                                | -                                 | M Scale            | 84                 |
| 折射率<br><b>Refractive Index</b>                   | D542                                |                                   |                    | 1.491              |
| 全光透過率<br><b>Light Transmission</b>               | D1003                               |                                   | %                  | 92                 |
| 拉伸強度 (斷裂)<br><b>Tensile Strength<br/>(Break)</b> | D638                                | 6 mm/min                          | Kg/cm <sup>2</sup> | 680                |
|  |                                     |                                   | lb/in <sup>2</sup> | 9700               |
| 延伸率<br><b>Tensile Elongation</b>                 | D638                                | 6 mm/min                          | %                  | 7                  |
| 彎曲強度<br><b>Flexural Strength</b>                 | D790                                | 2.8 mm/min                        | Kg/cm <sup>2</sup> | 1000               |
|  |                                     |                                   | lb/in <sup>2</sup> | 14200              |
| IZOD 衝擊強度<br><b>Izod Impact Strength</b>         | D256<br>(Notched)                   | 6.4 mm, 23°C                      | Kg-cm/cm           | 2.0                |
|  |                                     |                                   | ft-lb/in           | 0.37               |
| 維氏軟化溫度<br><b>Vicat Softening Temp.</b>           | D1525                               | 1 Kg, 50 °C/hr                    | °C                 | 103                |
|  |                                     |                                   | °F                 | 217                |
| 熱變形溫度<br><b>Heat Distortion Temp.</b>            | D648                                | Unannealed                        | °C                 | 90                 |
|  |                                     |                                   | °F                 | 194                |
| UL 燃燒等級<br><b>UL Flammability</b>                | 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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