

High Impact PS POLYREX<sup>®</sup> Characteristics PH-888H

| 特性<br>PROPERTIES                      | 測試方法<br>ASTM<br>TEST METHOD | 測試條件<br>TEST CONDITION | 單位<br>UNIT                         | 耐衝擊級<br>HIGH IMPACT |
|---------------------------------------|-----------------------------|------------------------|------------------------------------|---------------------|
|                                       |                             |                        |                                    | PH-888H             |
| 熔融指數<br>Melt Flow Index               | D1238                       | 200 °C, 5 Kg           | g/10 min                           | 3.8                 |
| 比重<br>Mass Density                    | D792                        | 23 °C                  | -                                  | 1.05                |
| 硬度<br>Hardness                        | D785                        | -                      | L Scale                            | 63                  |
| 拉伸強度 (斷裂)<br>Tensile Strength (Break) | D638                        | 6 mm/min               | Kg/cm <sup>2</sup>                 | 300                 |
|                                       |                             |                        | lb/in <sup>2</sup>                 | 4260                |
| 延伸率<br>Tensile Elongation             | D638                        | 6 mm/min               | %                                  | 45                  |
| 彎曲強度<br>Flexural Strength             | D790                        | 2.8 mm/min             | Kg/cm <sup>2</sup>                 | 450                 |
|                                       |                             |                        | lb/in <sup>2</sup>                 | 6390                |
| 彎曲彈性模數<br>Flexural Modulus            | D790                        | 2.8 mm/min             | 10 <sup>4</sup> Kg/cm <sup>2</sup> | 2.0                 |
|                                       |                             |                        | 10 <sup>5</sup> lb/in <sup>2</sup> | 2.8                 |
| IZOD 衝擊強度<br>Izod Impact Strength     | D256 (Notched)              | 6.4 mm, 23°C           | Kg-cm/cm                           | 9.0                 |
|                                       |                             |                        | ft-lb/in                           | 1.55                |
|                                       |                             | 3.2 mm, 23°C           | Kg-cm/cm                           | 10.5                |
|                                       |                             |                        | ft-lb/in                           | 1.82                |
| 維氏軟化溫度<br>Vicat Softening Temp.       | D1525                       | 1 Kg, 50 °C/hr         | °C                                 | 102                 |
|                                       |                             |                        | °F                                 | 215                 |
| 熱變形溫度<br>Heat Distortion Temp.        | D648                        | Annealed               | °C                                 | 97                  |
|                                       |                             |                        | °F                                 | 207                 |
|                                       |                             | Unannealed             | °C                                 | 82                  |
|                                       |                             |                        | °F                                 | 180                 |
| 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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