

## Extrusion ABS POLYLAC® Characteristics PA-747R

| 特性<br>PROPERTIES                      | 測試方法<br>ASTM<br>TEST METHOD | 測試條件<br>TEST CONDITION | 單位<br>UNIT                         | 押出級 EXTRUSION |
|---------------------------------------|-----------------------------|------------------------|------------------------------------|---------------|
|                                       |                             |                        |                                    | PA-747R       |
| 熔融指數<br>Melt Flow Index               | D1238                       | 200 °C, 5 Kg           | g/10 min                           | 0.3           |
|                                       |                             | 220 °C, 10 Kg          |                                    | -             |
| 比重<br>Mass Density                    | D792                        | 23 °C                  | -                                  | 1.04          |
| 硬度<br>Hardness                        | D785                        | -                      | R Scale                            | 110           |
| 拉伸強度 (屈服)<br>Tensile Strength (Yield) | D638                        | 6 mm/min               | Kg/cm <sup>2</sup>                 | 430           |
|                                       |                             |                        | lb/in <sup>2</sup>                 | 6110          |
| 延伸率<br>Tensile Elongation             | D638                        | 6 mm/min               | %                                  | 40            |
| 彎曲強度<br>Flexural Strength             | D790                        | 2.8 mm/min             | Kg/cm <sup>2</sup>                 | 690           |
|                                       |                             |                        | lb/in <sup>2</sup>                 | 9780          |
| 彎曲彈性模數<br>Flexural Modulus            | D790                        | 2.8 mm/min             | 10 <sup>4</sup> Kg/cm <sup>2</sup> | 2.3           |
|                                       |                             |                        | 10 <sup>5</sup> lb/in <sup>2</sup> | 3.5           |
| IZOD 衝擊強度<br>Izod Impact Strength     | D256 (Notched)              | 6.4 mm, 23°C           | Kg-cm/cm                           | 35            |
|                                       |                             |                        | ft-lb/in                           | 6.5           |
|                                       |                             | 3.2 mm, 23°C           | Kg-cm/cm                           | 45            |
|                                       |                             |                        | ft-lb/in                           | 8.5           |
| 維氏軟化溫度<br>Vicat Softening Temp.       | D1525                       | 1 Kg, 50 °C/hr         | °C                                 | 105           |
|                                       |                             |                        | °F                                 | 221           |
| 熱變形溫度<br>Heat Distortion Temp.        | D648                        | 1.8 MPa Annealed       | °C                                 | 95            |
|                                       |                             |                        | °F                                 | 203           |
|                                       |                             | 1.8 MPa Unannealed     | °C                                 | 85            |
|                                       |                             |                        | °F                                 | 186           |
| UL 燃燒等級<br>UL Flammability            | UL 94                       | -                      | -                                  | 1.5 mm HB     |

July 1, 2021

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

The above statement is based on our current level of knowledge and covers the above products directly manufactured and supplied by CHI MEI CORPORATION at the date of issue. CHI MEI CORPORATION makes no warranties, whether express or implied, and assumes no liability in connection with any use of above information. Notwithstanding the foregoing, CHI MEI CORPORATION shall in no event be held obligated or liable for any claims due to or arising from (i) any customer provided, consigned, materials and/or parts, which are incorporated or adopted in the products; (ii) any combination of the products with material not provided or authorized by our company; (iii) any modifications to the products which are made or directed by customer; (iv) our compliance with the specifications, instructions, and/or designs provided by customer; (v) any anti-trust, unfair competition and/or other unlawful actions effected by customer; or (vi) any defects, infringement, breach and/or violation which are arising out of customer's faults or otherwise not solely and directly attributable to CHI MEI CORPORATION. In no event shall CHI MEI CORPORATION be liable for any indirect, special, exemplary, punitive, or consequential damages (including lost profits) of any nature whatsoever arising out of the purchase, shipment, unloading, handling, or use of any product or otherwise.