

Flame Retardant ABS POLYLAC® Characteristics PA-765A

| 特性 PROPERTIES | 測試方法 ASTM TEST METHOD | 測試條件 TEST CONDITION | 單位 UNIT | 防火級 FLAME RETARDANT |
|---------------------------------------|-----------------------------|------------------------|------------------------------------|--|
| | | | | PA-765A |
| 熔融指數 Melt Flow Index | D1238 | 200 °C, 5 Kg | g/10 min | 4.6 |
| | | 220 °C, 10 Kg | | - |
| 比重 Mass Density | D792 | 23 °C | - | 1.17 |
| 硬度 Hardness | D785 | - | R Scale | 101 |
| 拉伸強度 (屈服) Tensile Strength (Yield) | D638 | 6 mm/min | Kg/cm ² | 400 |
| | | | lb/in ² | 5670 |
| 延伸率 Tensile Elongation | D638 | 6 mm/min | % | 20 |
| 彎曲強度 Flexural Strength | D790 | 2.8 mm/min | Kg/cm ² | 640 |
| | | | lb/in ² | 9070 |
| 彎曲彈性模數 Flexural Modulus | D790 | 2.8 mm/min | 10 ⁴ Kg/cm ² | 2.3 |
| | | | 10 ⁵ lb/in ² | 3.2 |
| IZOD 衝擊強度 Izod Impact Strength | D256 (Notched) | 6.4 mm, 23°C | Kg-cm/cm | 20 |
| | | | ft-lb/in | 3.7 |
| | | 3.2 mm, 23°C | Kg-cm/cm | 24 |
| | | | ft-lb/in | 4.4 |
| 維氏軟化溫度 Vicat Softening Temp. | D1525 | 1 Kg, 50 °C/hr | °C | 92 |
| | | | °F | 198 |
| 熱變形溫度 Heat Distortion Temp. | D648 | 1.8 MPa Annealed | °C | 85 |
| | | | °F | 185 |
| | | 1.8 MPa Unannealed | °C | 76 |
| | | | °F | 169 |
| UL 燃燒等級 UL Flammability | UL 94 | - | - | 1.5 mm V-1 2.5 mm V-0 2.5 mm 5VB 3.0 mm 5VA |