



## 產品資訊

## Product Information

## NYLOY® MS-0100N

- 尼龍 66
- 超韌級
- 本色

| 性質          | PROPERTY                       | 測試方法       | METHOD | 單位                                  | UNIT     | 結果(數據)                         | RESULT |  |
|-------------|--------------------------------|------------|--------|-------------------------------------|----------|--------------------------------|--------|--|
| <b>機械特性</b> | MECHANICAL                     |            |        |                                     |          |                                |        |  |
| 抗張強度        | Tensile Strength               | ASTM D638  |        | kg/cm <sup>2</sup> (MPa)            |          | 430 (42.2)                     |        |  |
| 斷裂伸長率       | Elongation                     | ASTM D638  |        | %                                   |          | 160                            |        |  |
| 抗折強度        | Flexural Strength              | ASTM D790  |        | kg/cm <sup>2</sup> (MPa)            |          | 600 (58.88)                    |        |  |
| 抗折彈性係數      | Flexural Modulus               | ASTM D790  |        | kg/cm <sup>2</sup> (MPa)            |          | 1.54x10 <sup>4</sup> (1511.29) |        |  |
| 衝擊強度        | IZOD Impact, Notched 1/8" 23°C | ASTM D256  |        | kg-cm/cm (J/M)                      |          | 110.0 (1078.43)                |        |  |
|             |                                | ASTM D256  |        | kg-cm/cm (J/M)                      |          | 80 (784.31)                    |        |  |
| 硬度          | Hardness Rockwell R Scale      | ASTM D785  |        | -                                   |          | -                              |        |  |
|             |                                | ASTM D2240 |        | -                                   |          | D-72                           |        |  |
| <b>熱特性</b>  | THERMAL                        |            |        |                                     |          |                                |        |  |
| 熱變形溫度       | Heat Deflection Temp           | ASTM D648  |        |                                     |          |                                |        |  |
|             |                                |            |        | (18.6kg/cm <sup>2</sup> ) (1.82MPa) | °C       | -                              |        |  |
|             |                                |            |        | (4.6kg/cm <sup>2</sup> ) (0.46MPa)  | °C       | -                              |        |  |
| <b>其他</b>   | OTHER                          |            |        |                                     |          |                                |        |  |
| 密度          | Density                        | ASTM D792  |        | g/cm <sup>3</sup>                   |          | 1.070                          |        |  |
| 模收縮率        | Mold Shrinkage                 | ASTM D955  |        |                                     |          | -                              |        |  |
|             |                                |            |        | 橫向                                  | Normal   | %                              | 1.68   |  |
|             |                                |            |        | 縱向                                  | Parallel | %                              | 1.53   |  |
| 含水率         | Moisture Contents              | -          |        | %                                   |          | -                              |        |  |
| <b>附註</b>   | REMARK                         |            |        |                                     |          |                                |        |  |

(1) 本物性表為典型測試值，僅供參考，不作為正式質保承諾。