



# RebornPlas

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## 物性報告 Materials Data Sheet

- 尼龍6
- 30%玻纖增強
- 黑色

# A3000G30BK

### 1. 物性標準 Materials Standard :

| 檢測項目   | Property  | 測試方法 Test Method | 單位Unit             | 數值Value |
|--------|---|------------------|--------------------|---------|
| 機械性質   | Mechanical properties                                 |                  |                    |         |
| 抗張強度   | Tensile Strength                                      | ASTM D638        | kg/cm <sup>2</sup> | 1300    |
| 延伸率    | Elongation at Break                                   | ASTM D638        | %                  | < 5     |
| 彎曲強度   | Flexural Strength                                     | ASTM D790        | kg/cm <sup>2</sup> | 2100    |
| 彎曲彈性模數 | Flexural Modulus                                      | ASTM D790        | kg/cm <sup>2</sup> | 73000   |
| 衝擊強度   | IZOD Impact, Notched 1/8" 23°C                        | ASTM D256        | kg-cm/cm           | 8       |
|        | IZOD Impact, Notched 1/8"-30°C                        |                  | kg-cm/cm           |         |
| 硬度     | Hardness Shore D                                      | ASTM D2240       | -                  |         |
|        | Hardness Rockwell R Scale                             | ASTM D785        | -                  | 120     |
| 熱特性    | Thermal   |                  |                    |         |
| 熱變形溫度  | Heat Deflection Temperature (18.6kg/cm <sup>2</sup> ) | ASTM D648        | °C                 | 200     |
| 其它     | Other   |                  |                    |         |
| 收縮率    | Shrinkage   | ASTM D955        | %                  | 0.2~0.6 |
| 熔融指數   | Melt Index  | ASTM D1238       | g/10min            | -       |
| 比重     | Specific Gravity                                      | ASTM D792        | -                  | 1.36    |
| 灰份     | Ash Content   | ASTM D482        | %                  | 30      |
| 含水率    | Equilibrium Moisture Content                          | ASTM D570        | %                  | < 0.3   |
| 耐燃性    | Flammability  | UL 94            | 1.6mm              | -       |

### 2. 成形條件 Molding Condition

| 乾燥條件 Drying  | 料管溫度 Melt Temp | 射出壓力 Inject Press.   |
|--------------|----------------|----------------------|
| 80~100°C*4HR | 235~260°C      | 20kg/cm <sup>2</sup> |

附註:測試條件: 23°C, 50%RH, 24小時。以上數據會隨使用條件不同而有所改變, 故此數據僅供參考。

Note: Test Conditions : 23°C, 50%RH, 24 hours.

The data sheet is for your reference. And the data above will vary as the actual using condition changes.

表單編號: QA100C Rev. 0