



# 國喬石油化學股份有限公司

## GRAND PACIFIC PETROCHEMICAL CORPORATION

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國喬 ABS 樹脂產品性能一覽表

產品資訊

### Typical Properties of GPPC'S ABS Resins

版本: 1.0

| 性 質<br>Properties |   | 試驗方法<br>ISO<br>Methods | 測試條件<br>Conditions | 單位<br>Units        | 押出級   |
|-------------------|---|------------------------|--------------------|--------------------|---|
|                   |   |                        |                    |                    | Extrusion<br>超高耐衝擊<br>異型押出<br><b>D-120S</b> |
| 機<br>械<br>性<br>能  | 衝擊強度-Charpy<br>Charpy impact strength   | ISO<br>179/1A          | Notched            | KJ/m <sup>2</sup>  | 38  |
|                   | 衝擊強度-Izod<br>Izod notched strength  | ISO<br>180/1A          | Notched            | KJ/m <sup>2</sup>  | 33  |
|                   | 最大抗張強度<br>Tensile Strength at Max.  | ISO 527-2              | 50mm/min.          | MPa                | 41  |
|                   | 斷裂點伸長率<br>Tensile Elongation at Break   | ISO 527-2              | 50mm/min.          | %                  | 27  |
|                   | 抗折強度<br>Flexural Strength   | ISO 178                | 2 mm/min           | MPa                | 64  |
|                   | 抗折模數<br>Flexural Modulus  | ISO 178                | 2 mm/min           | MPa                | 1910  |
| 熱<br>性<br>能       | 融流指數<br>Melting Flow Rate   | ISO-1133               | 220°C/10 kg        | g/10min.           | 5.0   |
| 物<br>理<br>性<br>能  | 比 重<br>Specific Gravity   | ISO 1183               | 23°C<br>(73°F)     | ---                | 1.04  |
| 耐<br>燃<br>性       | UL 燃燒等級<br>UL Flame Class Rating<br>(File No. E88637)<br>(C-UL CSA LS 103112) | UL-94                  |                    | 1/8"<br>Thickness  | --  |
|                   |   |                        |                    | 1/16"<br>Thickness | --  |

|                  |                                 |         |
|------------------|---------------------------------|---------|
| 成<br>型<br>條<br>件 | 乾燥溫度 Drying Temperature (°C)    | 80 – 90 |
|                  | 成型溫度 Injection Temperature (°C) | 180–240 |
|                  | 模具溫度 Mould Temperature (°C)     | 40 – 80 |

※上表所列數據資料僅供參考用。

These property values under specific test conditions as defined in the table above are for reference only.