

## KAPEX PC ENGINEERING PLASTICS

| Properties                                | UNIT   | Test Method | Kapex C022    |
|---|--|-------------|---------------|
| <b>Mechanical</b>                         |  |             |               |
| 抗張強度<br>Tensile Str, Yield                | psi  | D-638       | 11000         |
| 斷裂伸長率<br>Tensile Elongation, Break        | %  | D-638       | 4.0           |
| 彎曲強度<br>Flexural Strength                 | psi  | D-790A      | 21000         |
| 彎曲彈性率<br>Flexural Modulus                 | psi  | D-790A      | 500000        |
| IZOD衝擊強度<br>Izod Impact Strength, Notched | ft-lb/in 23°C<br>-30°C   | D-256       | 1.8           |
| 硬度<br>Rockwell Hardness                   | R-Scale  | D-785       | 120           |
| <b>Thermal</b>                            |  |             |               |
| 融點<br>Melting Point                       | °C   | D-789       | -             |
| 熱變形溫度<br>Heat Deflection Temperature      | °C 66 psi<br>264 psi   | D-648       | -<br>138      |
| 線膨脹係數<br>Coefficient of Thermal Expansion | E-5 1/°C   | D-696       | -             |
| 熾熱電線耐燃試驗<br>Glow Wire Test                | °C   | IEC 695-2-1 | -             |
| <b>Electrical</b>                         |  |             |               |
| 介電強度<br>Dielectric Strength               | kv/mm  | D-149       | -             |
| 體積電阻<br>Volume Resistivity                | ohm-cm   | D-257       | -             |
| 耐電弧<br>Arc Resistance                     | sec  | D495        | -             |
| <b>Other</b>                              |  |             |               |
| 比重<br>Specific Gravity                    | -  | D-792       | 1.28          |
| 成型收縮率<br>Mold Shrinkage · Flow            | %<br>3mm   | D-955       | 0.4           |
| 吸水率<br>Water Absorption                   | %<br>23°C, 24hr  | D-570       | 0.07          |
| <b>Flammability</b>                       |  |             |               |
| 燃燒性<br>Flammability                       | 1/8"<br>1/16"<br>1/32"   | UL-94       | V0<br>V0<br>- |
| 附註<br>Remark                              | Unreinforced PC 10% Glass reinforced , Flame Retardant , Halogen |             |               |

\*Typical properties can be subject to change without further notice.

ISO9001 / ISO14001 / IECQ HSPM ASSURANCE

**GINAR**  
Marketing Communications Department TAIWAN  
Phone +886-3-3868820 Fax +886-3-3863587 www.ginar.com.tw  
Http: // www.ginar.com.tw  
E-mail: ginar@ ginar.com.tw

|      |                                |                           |
|------|--------------------------------|---------------------------|
| 單位換算 | 抗張強度, 彎曲強度, 彎曲彈性率              | IZOD 衝擊強度                 |
|      | 1psi=0.0703 kg/cm <sup>2</sup> | 1 ft-lb/in =5.45 kg-cm/cm |
|      | 1Mpa=10.2 kg/cm <sup>2</sup>   | 1J/m=0.102 kg-cm/cm       |