台化出光聚碳酸酯(PC)膠粒物性彙總表
TARFLON  PC (Polycarbonate) general properties data sheet

|  |  |  |  |
| --- | --- | --- | --- |
| 項  目Property | 試驗方法Test Method | 單  位Unit | MD１５００ |
| 物理性質 Physical Properties |
| 密度Density | ISO1183 | kg/m3 | 1.20 × 103 |
| 熔融指數Melt Flow Index (300℃, 1.2kg) | ISO1133 | g/10 min | 67 |
| 吸水率Water adsorpton | ISO 62 | % | 0.23 |
| 機械性質 Mechanical Properties |
| 抗張強度Tensile strength at Yield | ISO 527 | Mpa | 60 |
| 斷張強度Tensile strength at break | ISO 527 | Mpa | 58 |
| 斷 張率Elongation at break | ISO 527 | % | 90 |
| 張力模數Tensile modulus | ISO 527 | Mpa | 2200 |
| 彎曲強度Flexural strength | ISO 178 | Mpa | 95 |
| 彎曲模數Flexural modulus | ISO 178 | Mpa | 2400 |
| Izod衝擊強度Izod impact strength | ISO 180 | kJ/m | 54 |
| 熱學性質 Thermal Properties |
| HDT 熱變形溫度Heat deflection temperature under load(18.6 kg/cm2) (1.8Mpa) | ISO 75 | ℃ | 125 |
| 洛氏硬度Rockwell hardness | ISO2039-2 | 　M-Scale | 50 |
| 成型收縮率Mold Shrinkage | ASTM D 955 | % | 0.5~0.7 |
| 線膨脹係數Linear expansion factor | ASTM D 696 | cm/cm/℃ | 6.5 × 10-5 |
| 電氣性質 Electrical Properties |
| 絕緣強度Dielecttric strength (1.6 mm) | IEC60243-1 | kV/mm | 30 |
| 體積固有阻抗Volume resistivity | IEC60093 | Ohm × cm | > 1017 |
| 比誘電率Dielecttric constant (100 Hz) | IEC60250 | - | 2.91 |
| 比誘電率Dielecttric strength (106 Hz) | IEC60250 | - | 2.85 |
| 誘電正接因子Dielecttric dissipation factor (100 Hz) | IEC60250 | - | 6.6 × 10-4 |
| 誘電正接因子Dielecttric dissipation factor (106 Hz) | IEC60250 | - | 9.2 × 10-3 |
| 耐電弧性Arc resistance | ASTM D 495 | sec | 110 |
| 光學性質 Optical Properties |
| 折射率Refractive index (nD25) | -- | - | 1.585 |
| 透光率Light transmittance | ASTM D 1003 | % | 89 |
| 燃燒性  Flammability |
| 燃燒性Flammability | UL-94 | File No.E238753 | V-2 (0.36mm)V-2 (1.5mm)V-2 (2.9mm)HB (3.0mm)HB (6.0mm) |

以上數值係依照ASTM試驗方法所測得，僅供選擇用途品級之參考。

若有任何疑問請洽服務專線：

业务部电话： 021-62791360 62471510 62473415

 021-62473436 62894056 62793101

传　　 　真：021-62471040 62473743

电 子 信 箱：shirley\_hxf@ssig.com.cn