

FUDOWLITE F5770F Phenolic Molding Compounds

450 67

| 試驗項目 ITEM                                             | 單位 UNITS                                       | 試驗法 Test Method | Value 數據                              |
|-------------------------------------------------------|------------------------------------------------|-----------------|---------------------------------------|
| 耐電壓 Dielectric Strength                               | MV/m                                           | JIS K6915       | 11-13                                 |
| 絕緣抵抗 Insulation Resistance<br>(常態 At ordinary statel) | $\Omega$                                       | JIS K6915       | $10^{11}$ - $10^{12}$                 |
| 絕緣抵抗 Insulation Resistance<br>(煮沸後 After Boiling)     | $\Omega$                                       | JIS K6915       | $10^{10}$ - $10^{11}$                 |
| 曲折強度 Flexural Strength                                | Mpa<br>(kgf/mm <sup>2</sup> )                  | JIS K7171       | 235-265<br>24-27                      |
| 曲折彈性率 Flexural Modulus                                | Mpa<br>(kgf/mm <sup>2</sup> )                  | JIS K7171       | 15700-17700<br>1600-1800              |
| 衝擊強度 CHARPY Impact Strength                           | KJ/m <sup>2</sup><br>(kgf.cm/cm <sup>2</sup> ) | JIS K7111       | 5.4-6.9<br>5.5-7.0                    |
| 引張強度 Tensile Strength                                 | Mpa<br>(kgf/mm <sup>2</sup> )                  | JIS K6911       | 88-108<br>9-11                        |
| 壓縮強度 Compressive Strength                             | Mpa<br>(kgf/mm <sup>2</sup> )                  | JIS K6911       | 255-275<br>26-28                      |
| 勞氏硬度 Rockwell hardness                                | (HR.M)                                         | JIS K6911       | 109                                   |
| 成型收縮率 Mold Shrinkage                                  | %                                              | JIS K6915       | 0.35-0.55                             |
| 吸水率 Water Absorption                                  | %                                              | JIS K6911       | 0.02-0.06                             |
| 比重 Specific Gravity                                   | —                                              | JIS K7112       | 1.78                                  |
| 加熱後的外觀 Appearance after heating                       | °C.2H                                          | JIS K6911       | 260                                   |
| 荷重翹曲的溫度<br>Deflection temperature under load          | °C                                             | JIS K7191       | 270<                                  |
| 耐燃性(厚度)<br>Flammability(Thickness)                    | —                                              | UL 94           | V-0(0.5mm);<br>5VA(1.5mm)             |
| 游離氨氣量 Amount of free ammonia                          | %                                              | JIS K7230       | 0.003>                                |
| 變成導電體的 Tracking resistance                            | CTI(V)                                         |                 | 190                                   |
| 增大系數 Bulk Factor                                      |                                                |                 | 2.5                                   |
| 線膨脹系數 Coeff.Therm Exp.                                |                                                |                 | $2.5 \times 10^{-5}/^{\circ}\text{C}$ |
| JIS K6915符合記號                                         |                                                |                 | EG-R, HM-R                            |