

# 低揮發導熱矽膠片 Y-D Series

## Thermal Conductive Pad



K值 1.5 ~ 3 W/mK (Thermal conductivity 1.5~3 W/mK )

低滲油量 (Low oil leakage)

擁有自黏性 (Self-adhesion)

柔軟可壓縮性 (Soft and compressible)

片狀易於操作 (Flakes are easy to handle)

| Properties 特性   | Test Method               | Unit              | D015             | D020             | D030             |
|---|---------------------------|-------------------|------------------|------------------|------------------|
| Composition 主要成份  | Filled silicone elastomer |                   |                  |                  |                  |
| Thermal Conductive 導熱率  | ASTM D5470                | W/mK              | 1.5              | 2.0              | 3.0              |
| Thickness 厚度範圍<br>(標準品為0.5mm為單位 Standard products are in 0.5mm increments.) | ASTM D374                 | mm                | 0.5~10.0         |                  |                  |
| Hardness 硬度   | ASTM D2240                | Shore 00          | 50±5             | 25±5             |                  |
| Density 密度  | ASTM D792                 | g/cm <sup>3</sup> | 3                | 2.4              | 3.0              |
| Temperature Range 操作溫度  | EN 344                    | °C                | -40~+200         |                  |                  |
| Breakdown Voltage 耐電壓值  | ASTM D149                 | V                 | 8                | 5.5              | 5                |
| Flame Rating 阻燃等級   | UL 94                     | —                 | V0               | V0               | V0               |
| Dielectric Constant 電介質常數   | ASTM D150                 | @10MHz            | 3.8              | 4.5              | 5.5              |
| Standard Sheet Size 標準片材尺寸  |                           | mm                | 200*400          | 200*400          | 200*400          |
| Volume Resistivity 體積阻抗   | ASTM D257                 | Ohm-cm            | <sub>10</sub> 10 | <sub>10</sub> 10 | <sub>10</sub> 10 |

