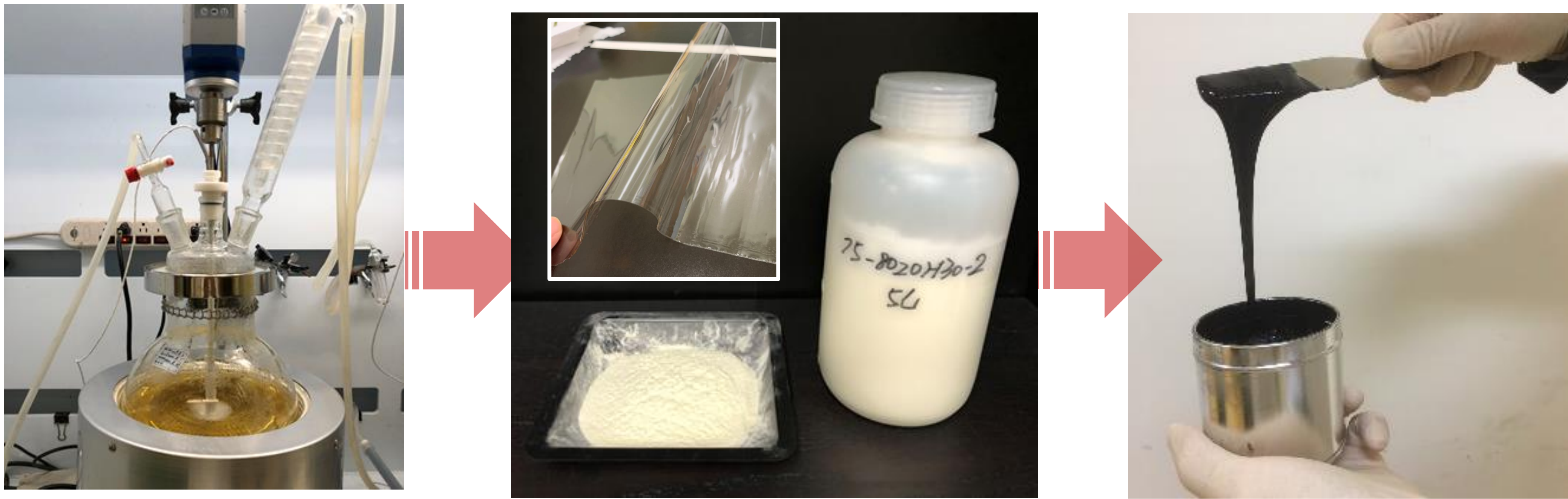




PSPI 油墨應用於FPC軟板市場

PSPI 油墨

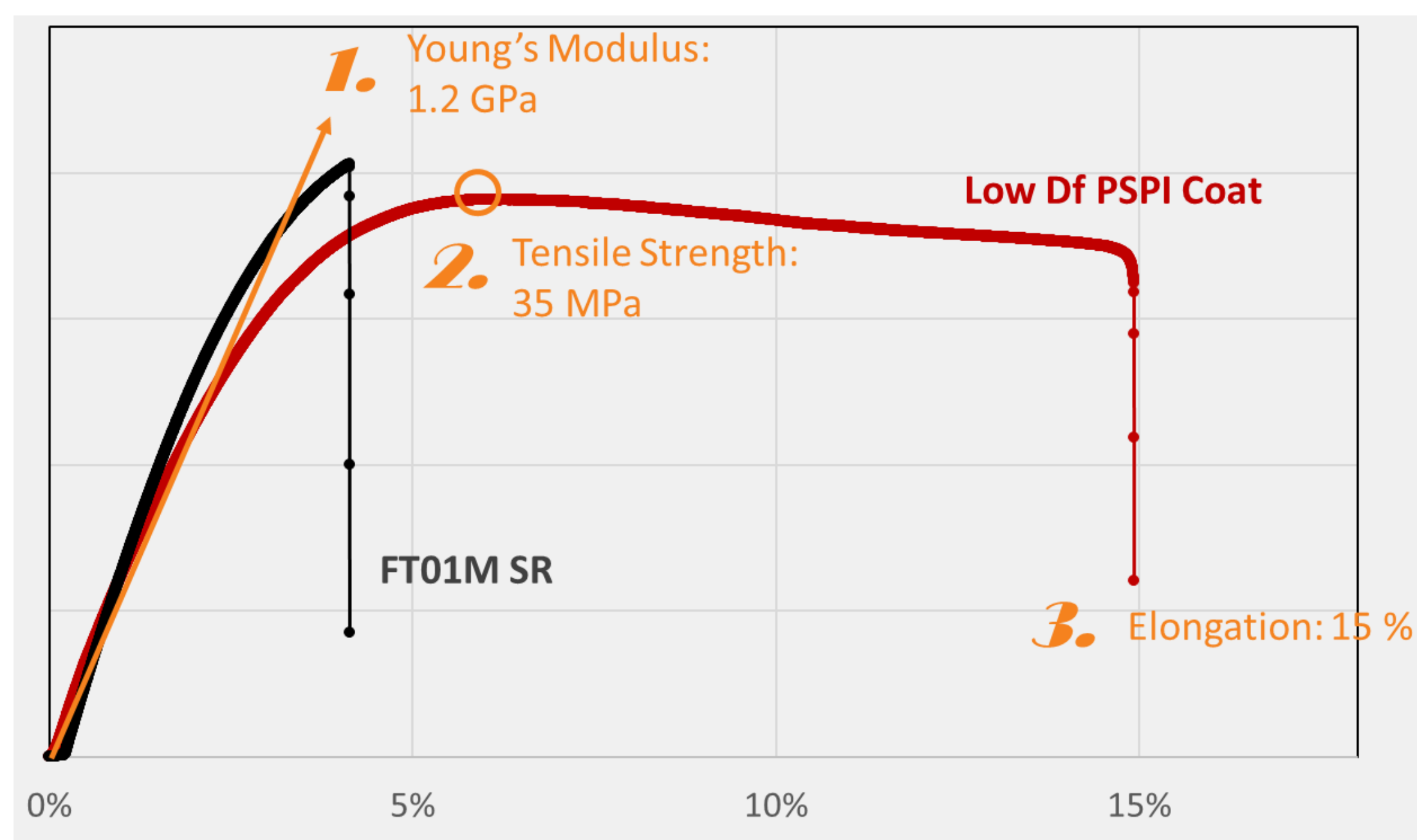
開發設計感光聚醯亞胺型樹脂以取代傳統環氧樹脂，並開發具備低誘電率與高耐折性的PSPI油墨於FPC軟板市場應用



- ☑ 絲網印刷
- ☑ UV 曝光
- ☑ Na_2CO_3 鹼液顯影
- ☑ $<170^\circ\text{C}$ 後烤
- ☑ 符合法規 REACH & RoHS (no SVHC)

PSPI 油墨產品表現

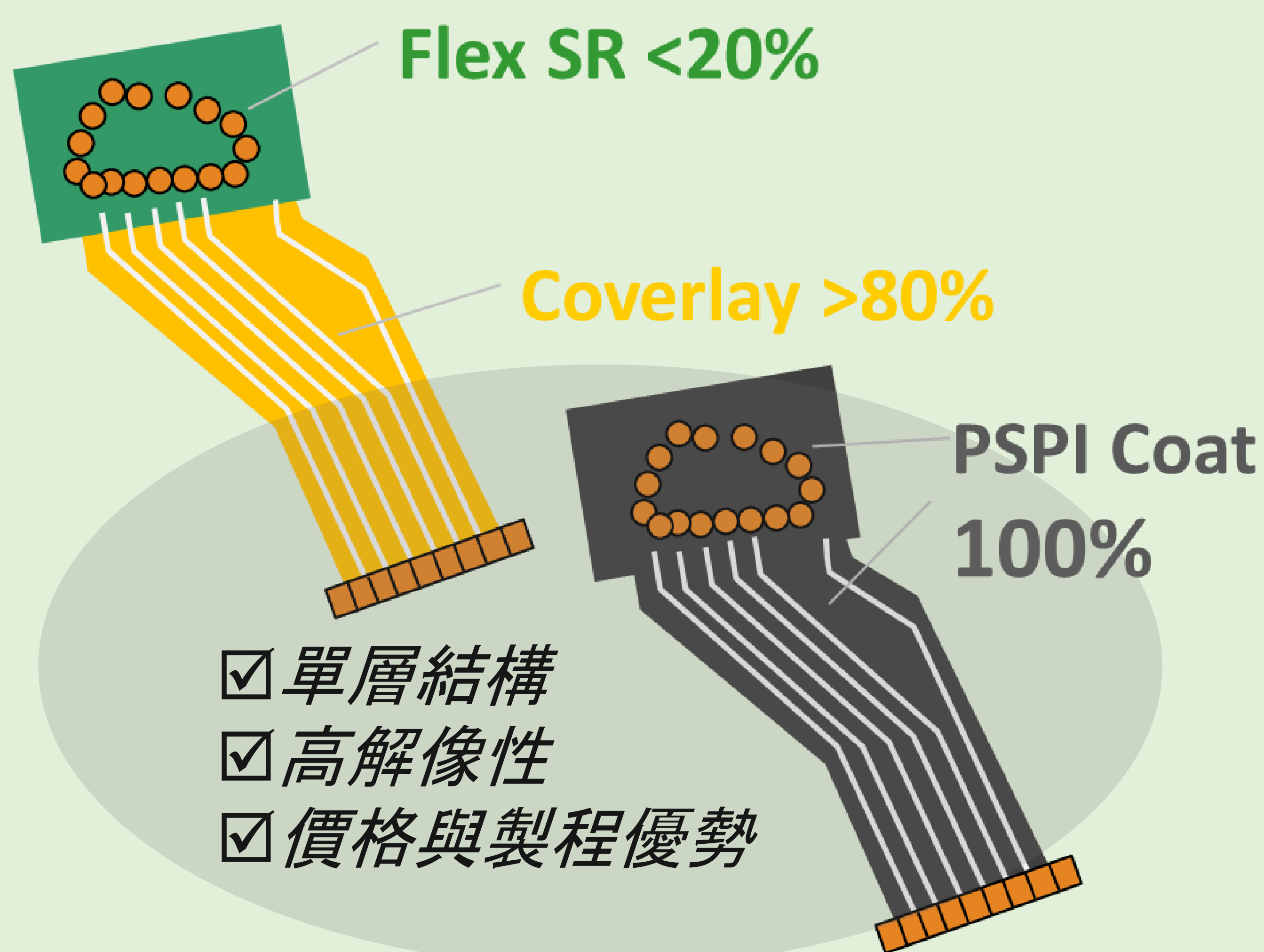
	Normal PI Coverlay	Taiwan FT01M SR	Taiwan Low Df PSPI Coat
Dk/Df at 10 GHz	3.1/0.018	3.8/0.035	3.0/0.007
L/S Resolution (μm)		50	40
Young's Modulus (GPa)	3.3	1.5	1.2
Tensile strength (MPa)	260	49	35
Elongation (%)	70	5	> 15
Tg ($^\circ\text{C}$)	370	Under Test	120
MIT Bending Test (L/S=50 μm)	326	<10	Under Test
Soldering Heat Resistance	288 $^\circ\text{C}$ /10 sec	260 $^\circ\text{C}$ /10 sec	288$^\circ\text{C}$/10 sec



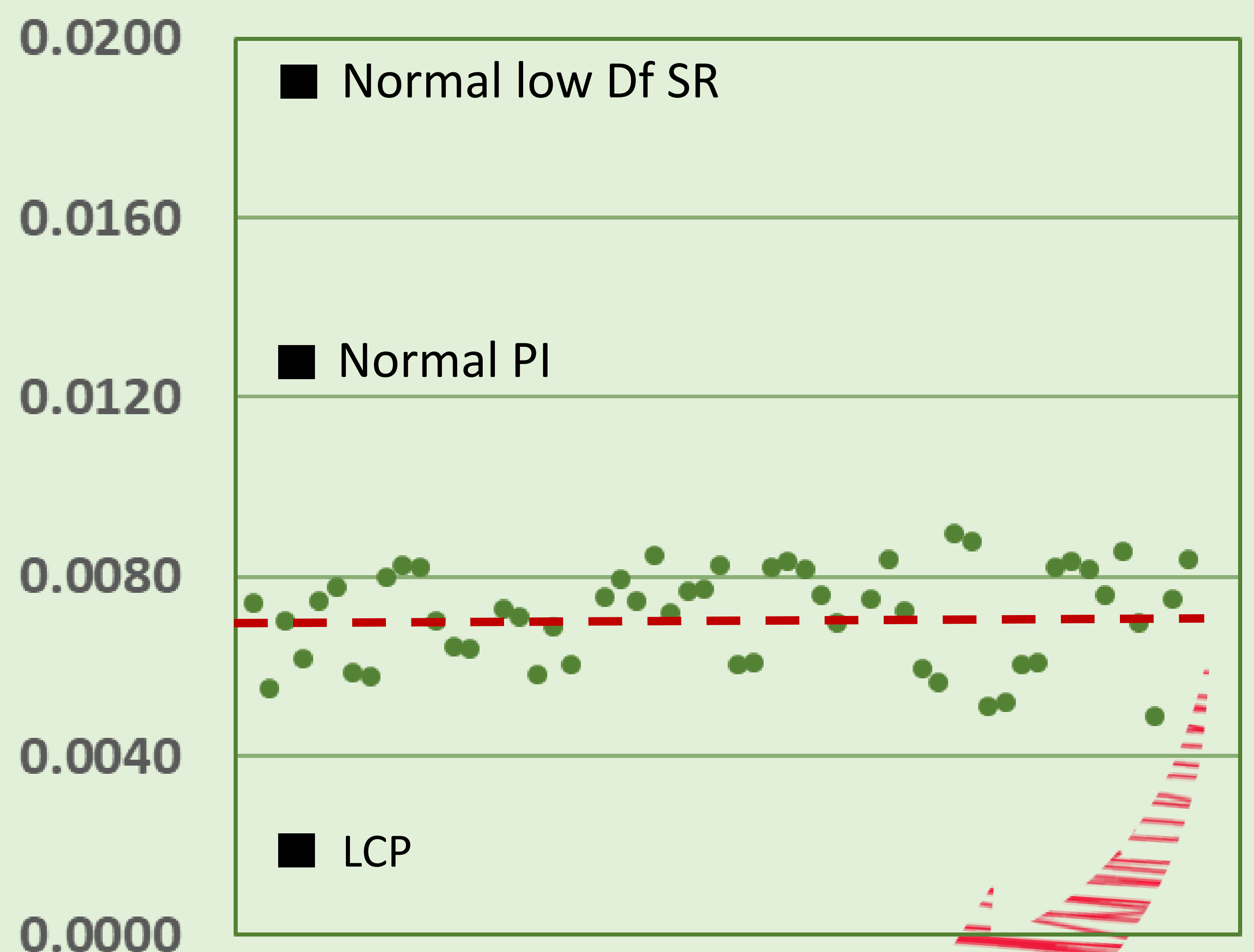
PSPI 膜具備高度耐折特性 (40 μm , 170 $^\circ\text{C}$ /1hr)

PSPI 油墨應用

PSPI COVERLAY



LOW DF PSPI



PSPI 油墨可達 low Df < 0.007 !!