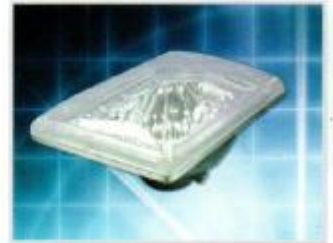


# 光硬化樹脂產品應用與介紹

## Product and applications of photo-curing glue

### 產品特性 / Feature

- ◆ 泛用型塑膠接著  
Common plastics bonding
- ◆ 膠材特性：具柔韌性，對塑料有很好的接著性  
Characteristic: Flexible, good bonding strength for plastics
- ◆ 材料應用：車燈、燈殼、按鍵組裝  
Application: Vehicle light, lamp cover and keypad assembly



產品編號 Product No.	接著材質 Bonding material	外觀 Appearance	黏度, cps Viscosity, cps	硬化條件, mJ/cm <sup>2</sup> Curing condition, mJ/cm <sup>2</sup>	玻璃轉移溫度, °C T <sub>g</sub> , °C	硬度 Hardness	剪切力, kgf/cm <sup>2</sup> Shear strength, kgf/cm <sup>2</sup>
FP161	PC/PMMA/ PVC/ABS	無色液體 Colorless liquid	1,900~2,900	1,500~2,000	34	D56	12 (TPU vs. PC)
FP525	PC/PMMA/ PVC/ABS	無色液體 Colorless liquid	1,850~2,750	1,500~2,000	30	D63	11.5 (TPU vs. PC)
FP673	PC/PMMA/ PVC/ABS	無色液體 Colorless liquid	5,600~8,400	1,500~2,000	75	D66	89.75 (PC vs. PC)
FP6731	PC/PMMA/ PVC/ABS	無色液體 Colorless liquid	220~380	1,500~2,000	75	D40	118.14 (PC vs. PC)
FK713	PC/PMMA/ PVC/ABS	無色液體 Colorless liquid	6,500~9,500	1,500~2,000	25	D70	89.72 (AC vs. AC)

### 產品特性 / Feature

- ◆ 水解膠應用  
Water-soluble adhesive
- ◆ 膠材特性：純水即可水解，水溫越高，解膠速率越快  
Characteristic: Hydrolysis by pure water. The higher temperature, the quicker hydrolysis.
- ◆ 材料應用：玻璃、金屬的暫時固定接著劑  
Application: Temporary fixing adhesive for glass and metals



產品編號 Product No.	接著材質 Bonding material	外觀 Appearance	黏度, cps Viscosity, cps	硬化條件, mJ/cm <sup>2</sup> Curing condition, mJ/cm <sup>2</sup>	硬度 Hardness
FR1142	玻璃、金屬 Glass and metals	淡黃色液體 Light yellow liquid	5~25	1,000~1,500	D74
FR1482	玻璃、金屬 Glass and metals	淡黃色液體 Light yellow liquid	5~25	1,500~2,000	D74
FR175	玻璃、金屬 Glass and metals	淡黃色液體 Light yellow liquid	28~42	1,500~2,000	D35
FR1754	玻璃、金屬 Glass and metals	淡黃色液體 Light yellow liquid	< 10	1,500~3,000	D25
FR319-5	玻璃、金屬 Glass and metals	微霧液體 Opaque liquid	280~340	1,500~3,000	D51

\* 水解速率：FR1754 > FR175 > FR1482 > FR1142 > FR319-5

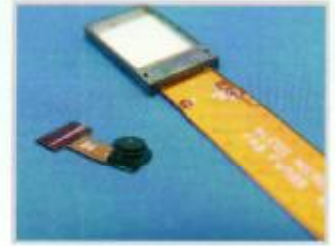
\* Hydrolysis speed: FR1754 > FR175 > FR1482 > FR1142 > FR319-5

\*\* FR319-5在溫水中，解膠速率最快，適用於氫氟酸製程。

\*\* FR319-5 has the fastest hydrolysis speed in warm water, and it is suitable for hydrofluoric acid process

### 產品特性 / Feature

- ◆ Nylon · LCP接著  
Nylon and LCP bonding
- ◆ 膠材特性：對高結晶性產品有良好膠著  
Characteristic: Good bonding strength for high crystalline product
- ◆ 材料應用：CMOS組裝 · 排線補強  
Application: CMOS assembly and connector reinforcement



產品編號 Product No.	接著材質 Bonding material	外觀 Appearance	黏度, cps Viscosity, cps	硬化條件, mJ/cm <sup>2</sup> Curing condition, mJ/cm <sup>2</sup>	玻璃轉移溫度, °C Tg, °C	硬度 Hardness
FP254	LCP · Nylon	透明黏稠狀液體 Clear viscous liquid	40,000~60,000	1,500~2,000	59	D66

### 產品特性 / Feature

- ◆ LED燈條與燈殼貼合  
LED light bar and lamp cover bonding
- ◆ 膠材特性：具柔韌性 · 加工時不易脫落  
Characteristic: Flexible, it is not easy to fall off during processing.
- ◆ 材料應用：柔性LED燈條與燈殼貼合  
Application: Flexible LED light bar and cover bonding



產品編號 Product No.	接著材質 Bonding material	外觀 Appearance	黏度, cps Viscosity, cps	硬化條件, mJ/cm <sup>2</sup> Curing condition, mJ/cm <sup>2</sup>	玻璃轉移溫度, °C Tg, °C	硬度 Hardness
FK079	FR4 / 塑料 FR4 / Plastics	白霧液體 Opaque liquid	19,000~25,000	1,500~2,000	33	D63
FK0793	FR4 / 塑料 FR4 / Plastics	白霧液體 Opaque liquid	19,000~25,000	1,500~2,000	33	D63

\* FK079為紫外光 · FK0793為可見光

\* FK079 is UV curing system and FK0793 is visible light curing system

### 產品特性 / Feature

- ◆ 感光膠  
CCD sensor
- ◆ 膠材特性：具內聚力 · 柔韌性  
Characteristic: Cohesion and flexible
- ◆ 材料應用：感光元件 ( LENS ) 與塑料貼合  
Application: LENS and plastics bonding



產品編號 Product No.	接著材質 Bonding material	外觀 Appearance	黏度, cps Viscosity, cps	硬化條件, mJ/cm <sup>2</sup> Curing condition, mJ/cm <sup>2</sup>	玻璃轉移溫度, °C Tg, °C	硬度 Hardness
FK43351	LENS / 塑料 LENS / Plastics	淡黃色透明液體 Light yellow liquid	16,000~24,000	1,500~2,000	65.25	D56
FK627-10	LENS / 塑料 LENS / Plastics	透明液體 Colorless liquid	17,600~26,400	1,500~2,000	62.21	D57

\* FK627-10可用於汞燈和LED波長385製程

\* FK627-10 is suitable for mercury light and LED light, wavelength 385nm process

以上數據僅供參考 · 詳情請查閱技術資料 ·

Please refer to the Technical Data Sheet for detailed information.