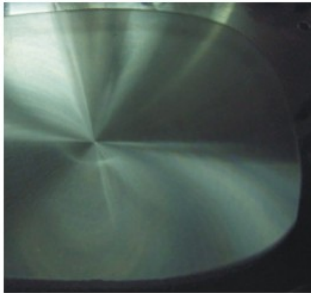


因應按鍵薄型化的需求，按鍵製程技術已由傳統PC射出改為UV翻模成型，所有工藝在PET、PC與TPU 基材上成型，按鍵總厚度控制在0.2~0.5mm的超薄範圍之間。According to the needs of thin type keypads, the process of keypads has changed from PC injection to mold forming by UV. This series of products is suited for all processes in PET, PC and TPU. The total thickness of keypads is between 0.2 to 0.5 mm.



為因應各類型UV翻模需求，永寬化學研發五大類UV成型膠，以符合客戶產品的多樣化需求。

In order to meet customer demand of various products, we research and design five kinds of photo-curing adhesives for mold forming.

翻模厚度<0.05mm，低膜厚，CD紋路
Mold thickness < 0.05 mm. Thinnest keypads design and CD touch.

● **按鍵厚度<0.05mm，低膜厚按鍵設計，髮絲紋或CD紋路，特色為高硬度，高耐磨**

建議配方：FP8108H76、FP899、FP8993、FP8994。

Mold thickness < 0.05 mm. This series of resin is suited for thinnest keypads design, and has brushed finish or CD touch.

The characteristic of this series is high hardness and abrasion resistance.

Proposed product: FP8108H76, FP899, FP8993 and FP8994.

● **按鍵厚度0.2~0.5mm，中膜厚，同時有高鉛筆硬度與低收縮之需求**

建議配方：FP8893、FP8894、FP9542、FP9543。

Mold thickness: 0.2~0.5mm. This series of resin exhibits medium thickness, high pencil hardness and low shrinkage.

The characteristic of this series is high hardness and abrasion resistance.

Proposed product: FP8893, FP8894, FP9542 and FP9543.

● **按鍵厚度0.5~1.0mm，高膜厚，按壓有PU回彈性的壓觸感，低收縮**

建議配方：FP919、FP9514、FP9518、FP9254、FP9621。

Mold thickness: 0.5~1.0mm. This series of resin offers high thickness, PU resilience touches when pushing and low shrinkage.

Proposed product: FP919, FP9514, FP9518, FP9254 and FP9621.

● **按鍵具有耐溶劑(異丙醇IPA與酒精)與耐磨耗之特性**

建議配方：FP6111、FP6116、FK028、FK0285。

The keypad has solvent and abrasion resistance.

The solvent is such as IPA and ethanol.

Proposed product: FP6111, FP6116, FK028 and FK0285.

● **其他泛用型**

建議配方：FP8246、FP9624、FP9739。

Others, for common uses.

Proposed product: FP8246, FP9624 and FP9739.



按鍵厚度0.2~0.5mm，中膜厚，高鉛筆硬度與低收縮

Mold thickness 0.2~0.5 mm. Medium thickness, high pencil hardness and low volume shrinkage.



按鍵厚度0.5~1.0mm，高膜厚，具PU回彈性壓觸感且低收縮

Mold thickness 0.5~1.0 mm. High thickness, PU resilience touches when pushing and low volume shrinkage.

FP系列UV成型膠－回彈性或高硬度

FP Series of UV adhesive for Forming－Resilience or High Hardness

	FP919	FP9514	FP9518	FP9254	FP9621	FP8108H76	FP899	FP8993	FP8994
硬度(Shore D)@25°C Hardness(Shore D)@25°C	45	47	28	32	65	91	75	85	80
鉛筆硬度(25°C) Pencil Hardness(25°C)	回彈 Resilience	回彈 Resilience	回彈 Resilience	回彈 Resilience	3B	7H	2H	4H	4H
環測後鉛筆硬度 (80°C,1hr) Pencil Hardness(80°C,1hr)	回彈 Resilience	回彈 Resilience	回彈 Resilience	回彈 Resilience	3B	7H	2H	4H	4H
折射率(n_D)@25°C Refractive Index (n_D)@25°C	1.4901	1.5128	1.5001	1.4712	1.4851	1.4831	1.4842	1.4942	1.4961
黏度(cps)@25°C Viscosity (cps)@25°C	1834	1062	454	908	1405	956	65	241	313

FP系列UV成型膠－泛用型低收縮

FP Series of UV adhesive for Forming－General Purpose with Low Shrinkage

	FP8246	FP9624	FP9739	FP9542	FP9543	FP8893	FP8894
硬度(Shore D)@25°C Hardness(Shore D)@25°C	75	60	75	61	62	82	85
鉛筆硬度(25°C) Pencil Hardness(25°C)	3B	3B	3B	HB	3B	3B	H
環測後鉛筆硬度 (80°C,1hr) Pencil Hardness(80°C,1hr)	3B	3B	1B	F	1B	3B	2H
折射率(n_D)@25°C Refractive Index (n_D)@25°C	1.4961	1.4871	1.4931	1.5015	1.4971	1.4958	1.4951
黏度(cps)@25°C Viscosity (cps)@25°C	2638	1187	1646	215	1261	396	532

FP、FK系列UV成型膠－耐溶劑與耐磨耗

FP or FK Series of UV adhesive for Forming－Solvent and Abrasion Resistance

	FP6111	FP6116	FK028	FK0285
硬度(Shore D)@25°C Hardness(Shore D)@25°C	58	50	51	82
鉛筆硬度(25°C) Pencil Hardness(25°C)	回彈 Resilience	回彈 Resilience	3B	F
環測後鉛筆硬度 (80°C,1hr) Pencil Hardness(80°C,1hr)	回彈 Resilience	回彈 Resilience	3B	HB
折射率(n_D)@25°C Refractive Index (n_D)@25°C	1.4785	1.4803	1.4842	1.5147
黏度(cps)@25°C Viscosity (cps)@25°C	908	338	1275	3186

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