



# **RapidChem**<sup>TM</sup>

Dryfilm Lubricant / Grease  
Water-Oil Repellent

乾式薄膜潤滑劑 / 潤滑脂  
撥水撥油劑



# RapidChem™

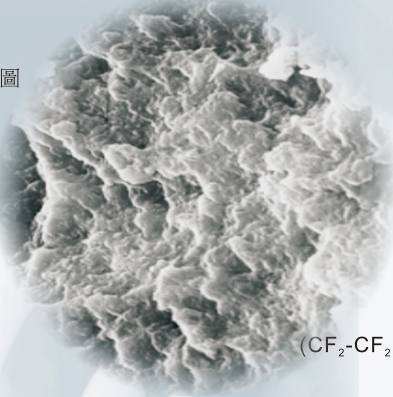
## Dryfilm Lubricants

### 乾式薄膜潤滑劑

The modern industrial product design is more and more precision. People are more and more to the smooth feeling and requirement for environment protection. Low friction slip mechanical parts of property in a lot. Long lasting, high performance and clean lubricants can solve to need be asked in this respect effectively, RapidChem™ dryfilm lube products, modulated meticulously with the raw materials of safe environmental protection of high quality, can maintain lubricated performance for a long lasting effectively, enable all kinds of electronic products that consumers use, the sense of touch slips suitably and cleanly.

現代的工業產品設計愈來愈精密，人們對於質感及環保要求也愈來愈高，在許多具有輕質磨擦及滑動性質的機構零件中，長效、高性能又潔淨的潤滑劑可有效解決這方面的須求，RapidChem™的乾燥皮膜潤滑劑產品，以高品質又安全環保的原料精心調製而成，能有效維持長期潤滑性能，使消費者所使用的各類電子產品，保持精密性能，觸感滑順又潔淨。

PTFE分子結構放大圖



$(CF_2-CF_2)_n$  Polytetrafluoroethylene

#### Main ingredient- PTFE

Low Molecular Weight >3,000  
Thin film (0.2-0.5 mils)  
Low coefficient of friction  
Thermally Stable  
Nonflammable  
Long lasting  
Clean

#### 主成份-聚四氟乙烯之特性

低分子量 >3,000  
極低膜厚(0.2-0.5 mils)  
低磨擦係數  
熱安定性佳  
不可燃燒, 確保安全  
長效  
潔淨

### RapidChem™ Dryfilm Lubricants Performance

Highly volatility lube with special solvent. Ozonesphere protection. Safety and non-flammable. Lube film can stay on substrate surface in fast and smooth. PTFE solid content with outstanding and long lasting lubricate performance on plastic and metal.

**Non-Silicone based. No effective on conductive.**

### RapidChem™ 乾燥皮膜潤滑劑產品的性能

高揮發性潤滑油品，含特殊溶劑，不破壞臭氧層，安全無可燃性。

油膜快速均勻被覆滑動表面，含特殊聚四氟乙烯固體潤滑劑，於塑膠、金屬表面，具長效潤滑作用。

**非SILICON系列，對接點無影響。**

Application: Card reader, Digital Camera, DVD player, Printer, Keyboard, Cellular phone, Movement of watch, Copy machine, Scanner, pogopin, Switch, Bearing, Oil Seals, USB, Fast Connector...etc.

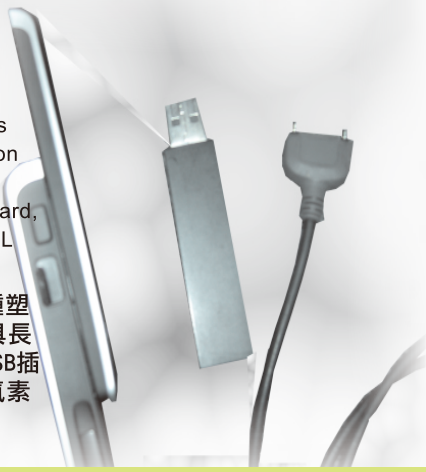
適用產品: 讀卡機、數位相機、光碟機、印表機、鍵盤、手機、鐘錶機芯、複印機、掃描器、pogopin、開關、軸承、油封、USB、快速接頭等

フッ素系溶剤、速乾性の非可燃性

# FL series (Standard type 標準型)

Full dry formulation. Main performance lubricant ingredient is Polytetrafluoroethylene. With long lasting accuracy lubrication performance on various plastic such as PP, ABS, TPR, PC, Rubber and metal. Suitable for surface coating on memory card, card reader, connector, USB plug and movement of watch. FL series all with fluorine solvent and PTFE solid content.

本系列產品為全乾型配方, 主成份為聚四氟乙烯, 於各種塑膠材質如PP, ABS, TPR, PC, 橡膠及各類金屬等材質, 具長效精密潤滑效果, 適用於記憶卡, 讀卡機, 傳輸線端子, USB插槽及手錶機芯等微小型電子元件. FL系列產品全部以氟素溶劑及聚四氟乙烯固成份調製而成.

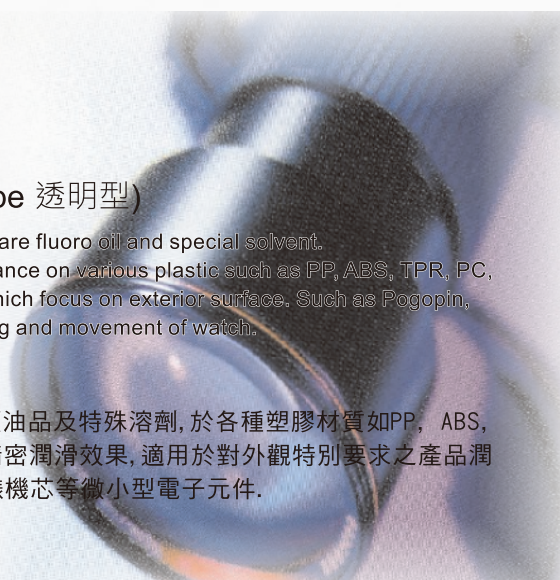


Product 產品名稱	Aspect 外觀	Density 比重g/cm <sup>3</sup>	Temperature 溫度範圍°C	Property & Solid content 特性及固成份%
FL-375	White 白色液態	1.45	-40°C ~+300°C	Connectors, Cell phone slide, Micro slide parts. 各式連接器, 手機滑蓋, 微小滑動件 0.25
FL-475	White 白色液態	1.5	-40°C ~+300°C	Connectors, Cell phone slide, Micro slide parts. 各式連接器, 手機滑蓋, 微小滑動件 0.5
FL-575	White 白色液態	1.5	-40°C ~+300°C	Connectors, Cell phone slide, Micro slide parts. 各式連接器, 手機滑蓋, 微小滑動件 0.8
FL-675	White 白色液態	1.5	-40°C ~+300°C	Connectors, Cell phone slide, Micro slide parts. 各式連接器, 手機滑蓋, 微小滑動件 1.5
FL-954GT	White 白色液態	1.5	-40°C ~+300°C	Connectors, Cell phone slide, Micro slide parts. 各式連接器, 手機滑蓋, 微小滑動件 0.6
FL-956GT	White 白色液態	1.5	-40°C ~+300°C	Connectors, Cell phone slide, Micro slide parts. 各式連接器, 手機滑蓋, 微小滑動件 0.8
FL-957GT	White 白色液態	1.5	-40°C ~+300°C	Connectors, Cell phone slide, Micro slide parts. 各式連接器, 手機滑蓋, 微小滑動件 2.0

# XR series (Transparent type 透明型)

Without solid particle content. Main ingredient are fluoro oil and special solvent. With long lasting accuracy lubrication performance on various plastic such as PP, ABS, TPR, PC, Rubber and metal. Suitable for the products which focus on exterior surface. Such as Pogopin, memory card, card reader, connector, USB plug and movement of watch.

本系列產品為透明半乾型, 主成份為氟素類油品及特殊溶劑, 於各種塑膠材質如PP, ABS, TPR, PC, 橡膠及各類金屬等材質, 具長效精密潤滑效果, 適用於對外觀特別要求之產品潤滑, 如Pogopin, 傳輸線端子, USB插槽及手錶機芯等微小型電子元件.



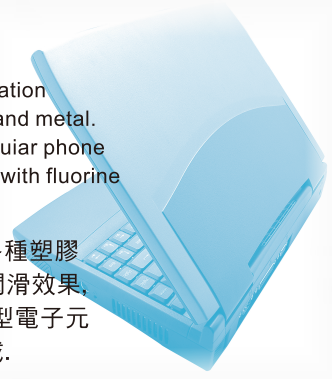
Product 產品名稱	Aspect 外觀	Density 比重g/cm <sup>3</sup>	Temperature 溫度範圍°C	Property 特性
XR-27	Clear 透明	1.5	-40°C ~+300°C	Pogopin, Card reader, USB, Micro slide parts. 讀卡機, 手機滑蓋, 微小滑動件
XR-35	Clear 透明	1.5	-40°C ~+300°C	Pogopin, Card reader, USB, Micro slide parts. 讀卡機, 手機滑蓋, 微小滑動件
XR-40	Clear 透明	1.5	-40°C ~+300°C	Pogopin, Card reader, USB, Micro slide parts. 讀卡機, 手機滑蓋, 微小滑動件



# FG series (Long lasting type 長效型)

With special fluorine solid additive. With long lasting accuracy lubrication performance on various plastic such as PP, ABS, TPR, PC, Rubber and metal. Suitable for surface coating on hinge of lap top, DVD player slid, cellular phone slide, card reader, connector, and movement of watch. FG series all with fluorine solvent and PTFE solid content.

本系列產品添加特殊氟素潤滑油脂，主成份為聚四氟乙烯，於各種塑膠材質如PP, ABS, TPR, PC, 橡膠及各類金屬等材質，具長效高潤滑效果，適用於攜帶式電腦，手機滑軌，傳輸線端子，及手錶機芯等微小型電子元件。FG系列產品全部以氟素溶劑及聚四氟乙烯固成份調製而成。



Product 產品名稱	Aspect 外觀	Density 比重g/cm <sup>3</sup>	Temperature 溫度範圍°C	Property 特性
FG-028	White 白色液態	1.6	-40°C ~+300°C	DVD player,Hinge, Camera lens, Precision instrument, Micro-Switch 光碟機，軸承，相機伸縮鏡頭，精密儀器，微動開關
FG-088	White 白色液態	1.6	-40°C ~+300°C	DVD player,Hinge, Camera lens, Precision instrument, Micro-Switch 光碟機，軸承，相機伸縮鏡頭，精密儀器，微動開關
FG-075	White 白色液態	1.6	-40°C ~+300°C	DVD player,Hinge, Camera lens, Precision instrument, Micro-Switch 光碟機，軸承，相機伸縮鏡頭，精密儀器，微動開關

# FK series (Water & Oil Repellent 撥水撥油劑)

FK series can make solid surface with lower surface tension. When it is lower than the surface tension of the liquid. Solid surface can repelling liquid.

Compared with wax-based and silicone-based formulation. FK series water and oil repellent also has excellent durability. Application for PCB, Hand held facility.

FK系列撥水撥油劑可降低材質之表面張力，當固體表面張力低於油，水時，固體表面即可具有排斥油水的效果。和有機矽質產品相比，具有更佳之耐久性能。適用於各式電路板或手持裝置。



Product 產品名稱	Aspect 外觀	Density 比重g/cm <sup>3</sup>	Temperature 溫度範圍°C	Property & Application 特性及應用
FK200-KSF	Clear 透明液態	1.5	-40°C ~+300°C	Cell phone board, PCB, Hand held facility.. 手機主機板，電路板及手持式產品。
FK300-KSF	Clear 透明液態	1.5	-40°C ~+300°C	Cell phone board, PCB, Hand held facility.. 手機主機板，電路板及手持式產品。
FK400-KSF	Clear 透明液態	1.5	-40°C ~+300°C	Cell phone board, PCB, Hand held facility.. 手機主機板，電路板及手持式產品。







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Manufacture by **Rapid Chemical Co., Ltd.**

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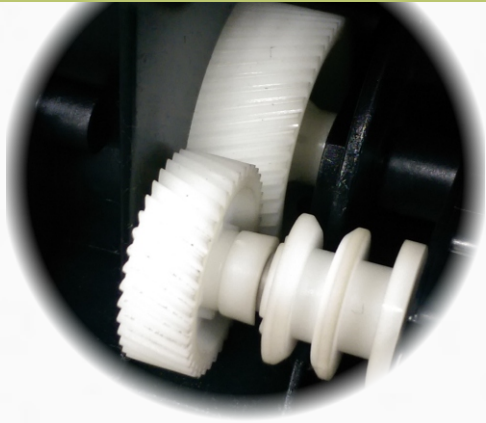
*Distribution:*

# G series (Grease type 潤滑油脂)

Grease is a semisolid lubricant. It generally consists of a soap emulsified with mineral or vegetable oil. We formulated by PAO, Silicone or PTFE depend on different application. **RapidChem** grease can reduce noise, adjust hand-feel and protect plastic parts. Suitable for small loading plastic gear and parts of appliances, office facility, computer, fitness equipment.

潤滑脂乃是在基礎油加入增稠劑與潤滑添加劑製成的半固態機械零件潤滑劑，本司產品根據不同須求，分別以PAO，矽質及聚四氟乙烯調製而成，具有消音，降噪或調節手感之性能，適用於各種輕荷重之家用電器，電腦，辦公設備，運動汽材之塑膠齒輪及塑膠部件之潤滑與防護

Product 產品名稱	Aspect 外觀	Density 比重g/cm <sup>3</sup>	Temperature 溫度範圍°C	Property 特性
G-2	White paste 乳白色膏狀	1.6	-60°C ~+150°C	Plastic gear of precision instrument and office equipment 精密機械之機械結構及事務設備之塑膠齒輪
G-4	White paste 乳白色膏狀	1.6	-60°C ~+150°C	Plastic gear of precision instrument and office equipment 精密機械之機械結構及事務設備之塑膠齒輪
PF-66	White paste 白色膏狀	1.6	-59°C ~+300°C	PTFE formulation. Precise and optical instrument 氟素配方，精密儀器，光學設備，可耐高溫
DG-700	Clear paste 透明膏狀		-50°C ~+175°C	Damping adjust. Automotive interiors, power mirrors 阻尼調整，汽車內裝零件，電動後視鏡



Contact us for detail specification.  
詳細產品規格請洽本司業務人員

**RapidChem™**  
Dryfilm Lubricants



1 kg/bottle