

TECHNICAL DATA SHEET

DryFilm lubricant & release agent **Rapid-Chem**TM Lubricant V566N

Description **Rapid-Chem**TM Lubricant V566N meet with ISO 10993 biological evaluation of medical devices is special liquid lubricant and mold release agent. Contain solid lubricator and PTFE oil based dispersion in non-flam hydrofluorocarbon liquid. After applied, formed a lubrication film what with whole clear film. Suitable for application of engineering plastic. Such as ABS, POM, PC, RUBBER and metal substrate with long lasting performance. Very effective reduce friction between substrate upgrade product performance and use life. It delivers a dry, uniform PTFE lubricant coating on any shape or surface. **Rapid-Chem**TM Lubricant V series smooths movement on parts that rock, pivot or slide, reducing actuation forces by up to 40%. It is ideal for medical devices such as staplers, cutters, catheters and hypo tubes.

Rapid-ChemTM Lubricant V series also speeds medical device production when applied to production fixtures. It makes an excellent mould release agent. It is compatible with a variety of materials including plastics, metals and ceramics. Simply spray, dip or brush it onto medical devices. It is non-migrating to promote facility cleanliness.

Rapid-ChemTM Lubricant V series is hostile to bioburden and is compatible with gamma radiation and ETO sterilisation. It is also ISO 10993 certified for simple cleanroom validation. It is nonflammable for safe storage and use.

- Properties**
- Long lasting lubricate performance for plastic and rubber
 - Formed a very thin film with excellent lubrication but clear and non-stick
 - Well surface tractility.
 - Very slow sediment property
 - Non flammable in safety.

Application

Lubrication of Video/Audio, precise and optical instrument
Lubricate on rubber surface
Avoid noise raise from parts to parts
Mold release agent

Specification		
Color		White transparent
Operation temperature, °C		-65 ~ 300
Density, 25°Cg/cm ³		1.55
Flash point, °C		N
Friction coefficient (light loading, shake testing)		
PS vs POM		0.055
Steel vs POM		0.06
Corrode test on plastic (1/4 oval test)		
POM、PS、		No break

Application

Method

All surfaces should be clean and dry prior to application. Normal precautions (safety glasses, etc.) should be used when moving, dispensing, and using **Rapid-Chem™** Lubricant V series Dryfilm Lubricant. Application methods include dipping, wiping, brushing or aerosol sprays. A single application is adequate for most uses. The most cost-effective dipping process uses a single-ump, vapor degreaser style dipping machine engineered for use with Duraglide. This machine puts the carrier fluid into a low-temperature “rolling boil” to insure the PTFE particles remain in suspension without settling. It is a highly reliable means of coating parts while reducing evaporative losses of carrier fluid. Contact us for more details.

Biocompatibility

Rapid-Chem™ Lubricant V series Dryfilm Lubricant has been successfully tested to appropriate ISO 10993* protocols. **Rapid-Chem™** Lubricant V series is not sold for use on permanently implantable devices of any kind.

Storage and Handling

RapidChem lubricant and mold release agent should be stored in a cool, dry, well ventilated area. Do not expose to freezing temperatures. Freezing will affect the physical condition, but will not damage the release effectiveness. Thaw at room temperature, and mix well before using.



ISO 10993 Tested & Certified

GLP Compliance
Registered No. 034

フッ素系溶剤、速乾性の非可燃性

RapidChem Trade mark by Rapid Chemical Co., Ltd.

