



## Two applications. One grease.

### *Molykote*<sup>®</sup> G-5511 Water Tap Compound

*Advanced double-duty technology provides performance and manufacturing cost benefits*



Operating mechanical equipment in a water-rich environment means special lubrication challenges. You want to prevent wear and corrosion — plus resist water spray-off.

To handle both challenges, water tap manufacturers typically have used two different grades of grease to seal and lubricate screw faucets. The first application — lubrication of the ceramic discs in the water tap/faucet cartridge — requires water homologation, compatibility to ceramics and resistance to water washout. These factors necessitate a higher-priced grease. The second application — plastic lubrication — can be done with a lower-priced grease with plastics compatibility. Wouldn't it be simpler if one product could be used for both purposes?

Not every lubricant is up to both tasks. And using the wrong lubricant can lead to surface degradation, poor equipment reliability and frequent, unplanned maintenance.

### Technology-driven solution

With *Molykote* G-5511 Water Tap Compound from Dow Corning, our *Molykote* experts developed a technology-driven solution that helps you eliminate the need for two different products.

*Molykote* G-5511 Water Tap Compound serves both applications, reducing the variety of greases you need to maintain in stock and making it easier on the manufacturing line. You are able to work with Dow Corning as a single supplier — and a single source of technical and application expertise.

### Double duty

*Molykote*<sup>®</sup> G-5511 Compound advantages:

- Compatible with ceramic discs, rubber gaskets, plastic components
- Excellent water resistance for longer cartridge lifetime
- Improved coefficient of friction for easier lever movement
- Improved tackiness/adhesion so grease stays in place at lubrication point
- Good load-carrying capacity
- Wide service temperature range (-40 to 200 °C)
- Just one grease to stock — instead of two grades
- Meets requirements of DIN EN 817
- Meets several global standards for drinking water contact
- Complies with UBA guidelines for the hygienic assessment of lubricants with drinking water contact
- Complies with the requirements of the Water Regulation Advisory Scheme (BS6920:2000)
- Meets NSF/ANSI 61 Standard

### Proven performance

Competitive testing in Dow Corning's labs provided data (Figure 1 - reverse) on the performance of *Molykote* G-5511 Water Tap Compound and several competitors.

In extensive testing, our product showed:

- Better tackiness/adhesion properties than all of the products tested
- Better coefficient of friction than the others
- Good load resistance
- Excellent water resistance
- Same water homologation and compatibility to seals as the competitive offerings



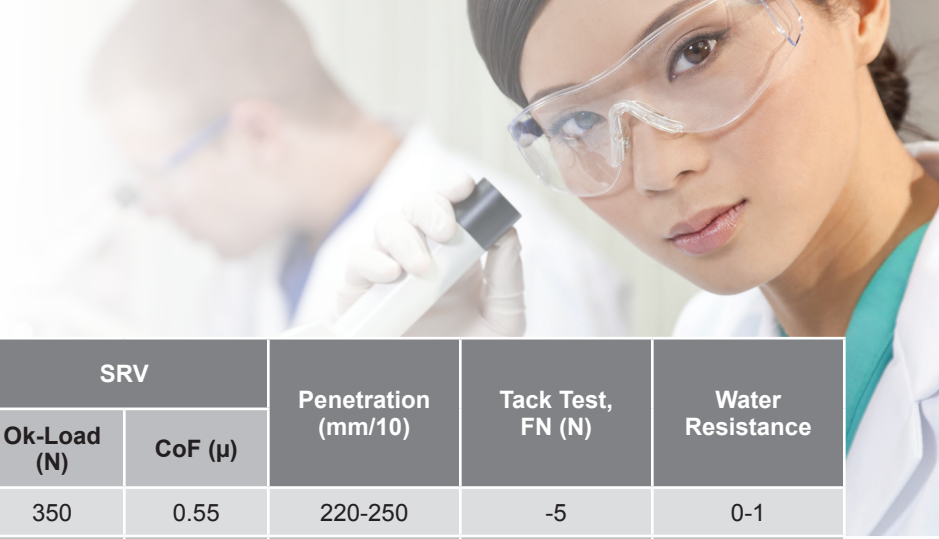


Figure 1: Competitive Testing

Product	Chemistry	SRV		Penetration (mm/10)	Tack Test, FN (N)	Water Resistance
		Ok-Load (N)	CoF ( $\mu$ )			
Competitor 1	Silicone/PTFE	350	0.55	220-250	-5	0-1
Competitor 2	Silicone	250	0.5	310-340	-6	0-1
Competitor 3	Non-silicone	350	0.15	265-295	-8	0-1
Competitor 4	Silicone/PTFE	300	0.5	280-310	-4	0-1
<i>Molykote</i> <sup>®</sup> G-5511 Compound	Silicone/PTFE	350	0.54	298	-11.4	0

**SRV test** measures friction and wear at the ceramic ball/plate under oscillating/rotating motion. It determines the load capacity and life of lubricating films.

**Penetration test (standard ISO 2137)** measures consistency of lubricating greases. It measures the penetration of the cone in 1/10 mm in five seconds.

**Tack test** measures the Max Force Value. The higher the force, the more tacky the grease.

**Water resistance test** measures the behavior of a 1 mm grease layer on a glass plate (100 x 10 mm surface) with DIN-Norm 51807 for three hours at 90 °C in the presence of water, up to seven days. A score of zero represents no change while a score of one represents a slight change.

### Learn more

For more information on *Molykote*<sup>®</sup> G-5511 Water Tap Compound, contact a Dow Corning distributor near you, or send us an email at [eutech.info@dowcorning.com](mailto:eutech.info@dowcorning.com).

Images: AV24483, AV24663, AV24482, AV24662

#### LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

**TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.**

**DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

*Dow Corning* and *Molykote* are registered trademarks of Dow Corning Corporation. *We help you invent the future.* is a trademark of Dow Corning Corporation.

©2015 Dow Corning Corporation. All rights reserved.

AMP285-15

Form No. 80-8092-01

