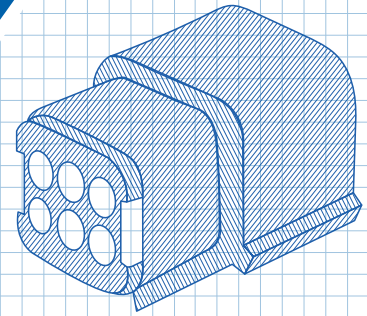


Dielectric Grease for Electrical Connectors







Rheotemp™ 769G

Formulated for advanced fretting corrosion prevention, with UV dye for application validation.

The number of electrical connectors and electronic circuits in devices such as cars, planes, appliances, industrial machinery, trucks or boats is continuously growing. Failure of these components, from short circuit to continuity loss, present a major concern as issues can vary from nuisance to increased warranty costs to critical safety problems. The constant exposure to moisture, corrosive environments, and vibration can also accelerate the failure or malfunction of connector components.

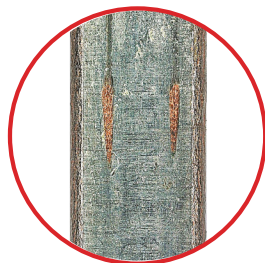


ADVANTAGES OF RHEOTEMP™ 769G

-  Seal & protect from environment
-  Extend reliability of connectors
-  Prevent fretting wear
-  Prevent corrosion
-  Insulate from short circuits
-  Reduce mating force

FRETTING WEAR

The Nye test monitors fretting cycles (micromotion) of terminals until resistance increases 100 milliohms over the static baseline, to predict the lifetime of terminals.



769G
18.7MM cycles



UNLUBRICATED
0.5MM cycles

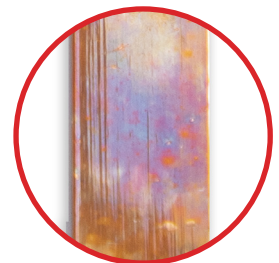
Test Conditions: 2.8mm APEX Copper-Tin Terminals,
10Hz, 100 microns, 50% Failure Values

COPPER CORROSION

The ASTM D4048 is an accelerated test to indicate how a lubricant protects copper surfaces over time, using a 12 segment scale from 'Slightly Tarnished' (1a) to 'Very Tarnished' (4c).



769G
Slightly Tarnished (1a)



UNLUBRICATED
Dark Tarnish (3b)

Test Conditions: 100 °C, 24 hours



TYPICAL PROPERTIES

| Base Oil Properties | Conditions | Rheotemp™ 769G | Test Method |
|------------------------------|-----------------------|---------------------------|--------------|
| Chemistry | – | PAO/Alkylated Naphthalene | – |
| Temperature Range | – | -40 to 175 °C | – |
| Kinematic Viscosity | 100 °C / 40 °C | 10 cSt / 66 cSt | ASTM D445 |
| Viscosity Index | – | 134 | ASTM D2270 |
| Grease Properties | | | |
| NLGI Grade | – | 2 | – |
| Oil Separation | 24 h, 100 °C | 0.97% | ASTM D6184 |
| Evaporation | 24 h, 100 °C | 0.13% | CTM* |
| Water Washout | 1 h, 80 °C | 1.6% | ASTM D1264 |
| Salt Spray Resistance | 750 h | No Corrosion | ASTM B117-18 |
| Copper Corrosion | 24 h, 150 °C | 1a, Slight Tarnish | ASTM D4048 |
| Dielectric Breakdown Voltage | Film Thickness 0.1 in | 28.7 kV | CTM* |

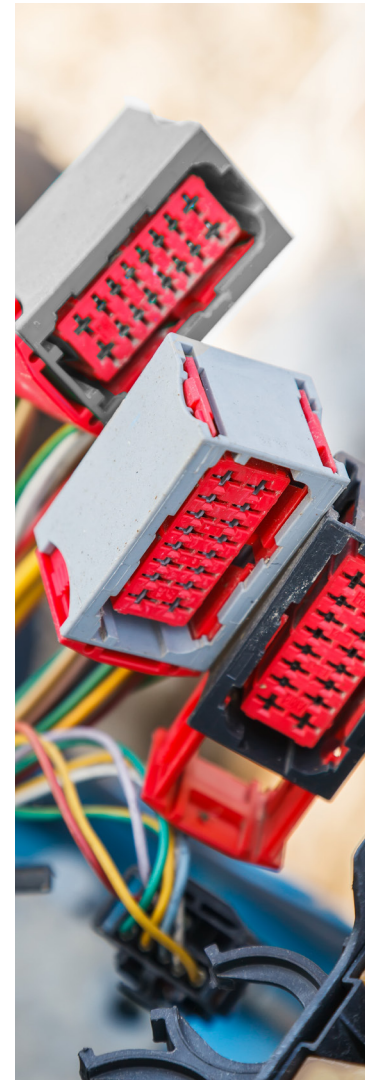
*CTM: Nye Company Test Method

PACKAGING OPTIONS

Nye greases are available in a variety of packaging sizes for both high-volume production dispensing and small volume dispensing, such as field repair activities.

-  110 pound keg
-  30cc clear syringe
-  7 pound pail
-  100 gram tube

Please contact us at orders@nyelubricants.com for more information.



Since 1844: Our performance is reflected in the value we bring to our customers.

Nye Lubricants is a leader in the innovation, formulation and provision of synthetic lubricants, enabling and improving breakthrough products and critical new technologies. We bring proven experience, deep technical knowledge and customer focus to solve our customers' toughest challenges, adding tangible value to products in a wide range of industries and applications.

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