

## ELECTROSPEC Compound

### Synthetic lubricating compound for electrical contacts

#### Product Overview

ROCOL® Electrospec Compound is ideal for use in electrical contacts that are susceptible to the effects of oxidation, corrosion or wear whilst providing excellent mechanical lubrication.

A thin application during assembly will last through many contact cycles, reducing wear, caused by micro-motion or vibration, resulting in improved contact reliability.

The unique consistency of ROCOL Electrospec Compound means that the compound self heals, after the electrical contact has operated, resulting in the maintaining of a protective lubricant film.

ROCOL Electrospec Compound is also highly effective on non-electrical applications such as polyacetal gears or plastic to metal slides.

#### Features and Benefits

- ROCOL Electrospec Compound has an excellent temperature resistance from -50°C to +125°C.
- ROCOL Electrospec Compound reduces arcing and contact wear ultimately improving contact performance.
- ROCOL Electrospec Compound protects contacts from tarnish and corrosion.
- ROCOL Electrospec Compound contains no silicones.

#### Directions for Storage and Use

- Apply ROCOL Electrospec Compound to clean dry surfaces where all traces of the previous lubricant have been removed.
- ROCOL Electrospec Compound can be dispensed through automatic systems, or by brush, directly onto the component surface.
- ROCOL Electrospec Compound is compatible with other soap thickened greases. However, for best results the previous lubricant should be removed prior to application.
- The storage temperature should be controlled between +1°C and +40°C.
- Shelf life is 3 years from date of manufacture.

#### Specifications

ROCOL Electrospec Compound is designed for all types electrical contacts found throughout industry particularly those where micro-motion or vibration occurs.

- ROCOL Electrospec Compound is also highly effective on non-electrical applications such as polyacetal gears or plastic to metal slides.

#### Pack Sizes

Pack Size	Part Code
50kg	38958

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Property	Test Method	Result
Appearance	Visual	Smooth off-white compound
NLGI No.	IP 50 – ASTM D217	1/2
Base Type	N/A	Synthetic hydrocarbon fluid
Thickener	N/A	Lithium complex soap
Temperature Range	N/A	-50°C to +125°C
Corrosion Test	24 hours @ 100°C	
Mild Steel	N/A	Pass
Copper	N/A	Pass
Aluminium	N/A	Pass
Plastic Compatibility		
Polyacetal	N/A	Good
ABS	N/A	Good
Polycarbonate	N/A	Good
Polypropylene	N/A	Good
Nylon	N/A	Good
PMMA	N/A	Good

Values quoted above are typical and do not constitute a specification.

### Safety Data Sheets

Safety data sheets are available for download from our website [www.rocol.com](http://www.rocol.com) or may be obtained from your usual ROCOL contact.

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

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