ELECTROSHIELD

Last Updated: 09.01.2025
Product Code: GR0700

ELECTROSHIELD is a premium quality, water-resistant gel with a grease-like consistency. The non-melting formulation has been carefully designed to ensure excellent electrical insulation properties along with a very high resistance to water and oxidation.

APPLICATION

Can be applied manually, or via a suitable automated system designed for this application.

Specially developed for applications where enhanced electrical insulation properties, as well as resistance to water and humid atmospheres are desirable. It is compatible with, and readily adheres to, dry metals, ceramics, rubber, plastics and insulating resins, and has a very wide operating temperature range.

N.B. – Electroshield should not be used on silicone rubber components, such as ‘O’ rings.

Please check compatibility before application and use in accordance with equipment manufacturers recommendations.

BENEFITS

- Excellent electrical insulation properties
- High degree of water and oxidation resistance
- Enhanced corrosion protection
- Exceptional low and high temperature capabilities
- Good adhesion and sealing properties

TYPICAL PROPERTIES

Appearance	White translucent gel
NLGI Classification	2.5
Flash Point	300°C
Dropping point (IP132)	None
Copper Corrosion (IP112)	Pass
Worked penetration (IP50)	240 to 270
Operating temp. range	-55°C to +205°C

Dielectric Strength at 25°C

(ASTM D149)	16kV/mm

Dielectric Constant at 25°C

(ASTM D150)	2.8

Permittivity at 25°C

(ASTM D257)	1.1015 ohms.cm

HEALTH & SAFETY

Please refer to the Safety Data Sheet, freely available, for product handling and disposal advice. Please note that the SDS includes handling, storage, health and disposal information which should be passed on to anyone else who comes in contact with our

product. Additional advice can also be obtained from your local representative.

NOTE: Read and understand all precautions on container labels before using this product.

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