Technical Data Sheet

SAR Lubricants

Last Updated: 07.02.2019
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	Dielectric Strength at 25°C (ASTM D149):	16kV/mm
NLGI Classification:	2.5		
Flash Point:	300°C	Dielectric Constant at 25°C (ASTM D150):	2.8
Dropping point (IP132):	None		
Copper Corrosion (IP112):	Pass	Permittivity at 25°C (ASTM D257):	1.10^{15} ohms.cm
Worked penetration (IP50):	240 to 270		
Operating temp. range:	-55°C to +205°C		

HEALTH AND SAFETY

This product has been manufactured to the highest standards and when used for the purpose recommended is unlikely to present any significant health hazards. A Safety Data Sheet is available on request.

Indicated data are approximate values and are subject to the usual commercial fluctuations. All information correct at time of going to press to the best of our knowledge. This information may be subject to change without notification due to continual product research and development.

SAR LUBRICANTS (SQUIRE A. RADCLIFFE & SONS LTD)
Gill Bridge Oil Works, Lowlands Road, MIRFIELD,
West Yorkshire, WF14 8LU | Tel: +44 (0)1924 494371
Fax: +44 (0)1924 498940 | Email: enquiries@sarlubricants.co.uk
Registered In England: 05866783 VAT Registration No: 889171963

Cert. Number 12669
ISO 9001