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PRODUCT BULLETIN

SYNOL[®] ECG-77 (Conductive Grease)

SYNOL ECG-77 is a specially developed synthetic electrical contact grease formulated to provide excellent lubricant properties to electrical contacts in presence of a wide range of materials such as metals, plastics, rubbers, polymers, etc. It is based on highly stable synthetic oils fully inhibited against copper corrosion, oxidation and other contact materials. It contains no hydrocarbons or silicones, thereby eliminating problems caused by carbon deposits and silicone residuals. Its excellent penetrating and coating properties prevent arcing and thereby reducing contact wear.

This grease is specially formulated for highly corrosive industrial type environments and in heaving arcing conditions, e.g. large connections, battery terminals, contactors, busbars, knife switches, rheostats, large voltage regulators, OLTCs, sliding/rotary controls, valve pins, turret tuners, plug sockets etc. etc.

<u>Characteristics</u>	<u>Typical values</u>
1. Appearance	Smooth homogenous paste
2. Colour	Beige/ Offwhite
3. Specific gravity @ 20°C	1.11
4. Temperature range	-40 to +200°C
5. Thermal conductivity (cgs units)	4.4×10^4
6. Neutralisation value (MgKOH/g)	0.2
7. Copper strip corrosion test ASTM (D-130)	... 1a (negative)
8. Drop Point	200°C
9. Penetration – worked	265 - 295
10. Consistency	NLGI No.2
11. Evaporation weight Loss % @100°C After 72 hrs. (IP183-63 method)	2.0
12. Dielectric constant @ 1M Hz	4.0

Packing: 550-ml.Aerosol can and 1-kg. jar

Note: Before application of grease, the contact part should be cleaned thoroughly with our Electronic Cleaning Solvent known as CVC ELECTROCLEAN. Wherever oil lubrication is required we offer our product SLT SWITCH & INSTRUMENT SYNTHETIC OIL.

The data presented herein is to be treated as a guideline. User should thoroughly evaluate the product before standardizing its use.

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