PETROMIN

PRODUCT DATA SHEET

OHC PROTECTIVE GREASE

Petromin OHC Protective Grease is an advanced formulae & chemically stable protective grease. It is specifically developed for overhead line conductors made of aluminum. It is formulated with lithium 12-hydroxy stearate soap. It contains cold flow enhancers & temperature resistant additive to act as the lubricant and to protect the layers of conductor against corrosion, fretting & high temperature oxidation during the conductor's entire service life. It is having an exceptionally low oil bleed characteristics with an elevated drop point. This ensures migration of performance additive from the conductor.

It contains special chemical additives, which enhance oxidation resistance and contains high percentage of soap while comparing to normal General or multipurpose greases.

BENEFITS

- Excellent performance in wide range of Environment, such as coastal area with salinity, area with high humidity/pollution and in aggressive atmosphere
- Long service life.
- Minimal oil bleed at normal and post fault temperature
- Reliable performance as it stays well in place in the cable
- Excellent Drop point stability for a longer usage
- Wide ambient temperature stability (The grease shall remain to have its plasticity down to -20 ^{o}C to a very hot ambient temperature).

Specification and Approvals

Petromin OHC Protective Grease meets or exceeds the requirements of:

- IEC 61394

APPLICATIONS

Petromin OHC Protective Grease is recommended for the lubrication of conductors and wires of following category due to its low oil-soap separation at operating temperature

- Hard drawn Aluminum wires
- Zinc coated Steel wires
- Aluminum clad steel wires
- Aluminum-Magnesium-Silicon alloy wires

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PRODUCT CHARACTERISTICS*

PROPERTIES	UNITS	VALUE	TEST METHOD
Appearance	-	**Homogeneous**	Visual
Color	-	Light Brown	Visual
Texture	-	Smooth	Visual
Thickener Type	-	Lithium	-
Alkalinity	mass%	0.03	ASTM D-128
Acidity	mass%	Nil	ASTM D-128
Dropping Point (min)	ºC	210	ASTM D-2265
Worked Penetration at 25 ºC	mm/10	192	ASTM D-217
Oil Separation after 1h at 100 ºC	mass%	0.1	ASTM D-1742
Oxidation Stability, Pressure drop after 100h at 100 ºC	psi	3.0	ASTM D-942
Copper Strip Corrosion	rating	1b	ASTM D-4048
Product Code		**0300**	

*The information and figures given here are typical of current production and conform to specification, minor variations may occur.