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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 36292-2018

Greases for overhead conductors

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the redrafting method to modify the use of IEC 61394.2011 "overhead line aluminum, aluminum alloy and bare steel strand anticorrosive grease

Claim".

This standard has more structural adjustments than IEC 61394.2011. Appendix A lists this standard and IEC 61394.2011.

The chapter number is compared to the list.

There are technical differences between this standard and IEC 61394.2011. The terms involved in these differences have been passed through the margins on the outer side of the page.

The vertical single line (|) is marked, and Appendix B gives a list of the corresponding technical differences and their causes.

This standard has made the following editorial changes.

--- In order to be consistent with the existing standard system and in line with Chinese usage habits, change the standard name to "Anticorrosive grease for overhead conductors";

--- In accordance with the requirements of GB/T 1.1-2009, in the "Scope" chapter, added "this standard applies to anti-corrosion grease for overhead conductors";

--- Removed references to IEC 61394.2011.

This standard was proposed by the China Electrical Equipment Industry Association.

This standard is under the jurisdiction of the National Bare Wire Standardization Technical Committee (SAC/TC422).

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1 Scope

This standard specifies the product identification, performance requirements and test methods for anti-corrosion grease for overhead conductors.

This standard applies to anti-corrosion grease for overhead conductors.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 2423.17-2008 Environmental testing of electrical and electronic products - Part 2. Test methods Test Ka. Salt spray (IEC 60068-

2-11.1981, IDT)

ISO 2137.2007 Determination of petroleum products and grease greases and petroleum greases (Petroleumproductsandlu-

bricants-Determinationofcone penetration of lubricating greases and petrolatum)

ISO 2176.1995 Determination of grease drop points for petroleum products (Petroleumproducts-Lubricatinggrease-De-

Terminationofdroppingpoint)

3 Product identification

The marking of the anti-corrosion grease is in the form of $\theta_1\theta_2$ or $\theta_1B\theta_2$, where A and B are the types of anti-corrosion grease.

--- Type A. Generally suitable for cold coating. Such as grease, semi-solid or solid, mainly composed of mineral oil or synthetic oil and thickener (gold

It is a stable mixture of soap or inorganic compound.

--- Type B. Generally suitable for hot coating. For example, petrolatum, semi-solid or solid, mainly consisting of microcrystalline wax and a small amount of mineral oil and

Machine additive composition.

--- θ_1 . Refers to the minimum applicable temperature value of the anti-corrosion grease in the air to protect the wire at 0 °C, see Table 1.

--- θ_2 . Refers to the highest applicable temperature value of the anti-corrosion grease to meet the applicable requirements (to achieve the specified dropping point or high temperature stability), see Table 1.

Example 1. Type 20A150A anti-corrosion grease, minimum applicable temperature (θ_1) -20 ° C, maximum applicable temperature (θ_2) 150 ° C.

Example 2. Type 40A120A anti-corrosion grease, minimum applicable temperature (θ_1) -40 ° C, maximum applicable temperature (θ_2) 120 ° C.

Example 3. Type 20B80B anti-corrosion grease, minimum applicable temperature (θ_1) -20 ° C, maximum applicable temperature (θ_2) 80 ° C.

The anti-corrosion grease supplier shall provide a unique identification for the product and retain the specific component information for inquiry. The component should contain component deviations,

The preservative under the marking should not change before the sale.

Table 1 Maximum applicable temperature and minimum applicable temperature of common type A anti-corrosion grease

model

Minimum applicable temperature θ_1

Maximum applicable temperature θ_2

20A120 -20 120

20A180 -20 180

20A280 -20 280