

ZHRO RAILWAY GREASE



Areas of Application

The grease is a special lubricant to be used for the friction units with rolling elements bearings of locomotives, diesel trains, and multiple-unit trains

Specification

The grease is a homogeneous mass having a color ranging from light yellow to brown; a dropping temperature of 190 °C; a penetration of 190 – 250 m·10⁻⁴ at a temperature of 25 °C; a viscosity of 1650 Pa·s at a temperature of -30 °C and an average gradient of strain rate of 10 s⁻¹; a strength limit of 480 Pa at 50 °C; a welding load of 2600 N at a temperature of (20 ± 5) °C; a flashpoint in closed crucible of 183 °C; and an ignition temperature over 250 °C

IPR Protection

IPR3

Advantages

Due to improved mechanical stability, low-temperature, tribological, protective and environmental properties and operability in the temperature range from -50 °C to +120 °C, the grease leaves behind Both domestic and best foreign counterparts based on petroleum oils thickened with lithium soaps of fat acids of expensive castor oil

Stage of Development. Suggestions for Commercialization

TRL5, TRL6

A prototype is manufactured and tested at customer's site; support in the design works and production organization is provided upon request

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