

TsNII KZ

Deicing Railway Grease

PRODUCT DESCRIPTION

TsNII KZ is a deicing grease designed for preventing ice deposition on current collectors of electrical rolling stock and overhead wires during the ice period. The grease can operate at temperatures ranging from minus 40 °C to plus 40 °C.

The **TsNII KZ** deicing grease is obtained by thickening high-quality petroleum oil mixtures with fatty acid lithium soap and adding deicing components, antioxidant and anticorrosive additives. It is produced at one of the most up-to-date industrial facilities in Russia, using high-quality materials.

APPLICATION

The **TsNII KZ** deicing grease is recommended for use to prevent ice deposition on current collectors of electrical rolling stock and overhead wires during the ice period.

The grease reduces wear of friction surfaces and extends the service life of machine parts and units. In some cases, it normalizes wear by preventing tear, seizing and jamming of friction surfaces rather than reducing it. The grease prevents penetration of aggressive liquids, gases and vapors, as well as abrasive particles (dust, dirt, etc.), to the surfaces.

BENEFITS

- Excellent protection of greased parts from corrosion in high humidity conditions;
- Hygroscopic properties;
- Excellent deicing characteristics;
- Reduced wear of friction surfaces leading to a longer service life of machine parts and units;
- Preventing penetration of aggressive liquids, gases and vapors, as well as abrasive particles (dust, dirt, etc.) to the friction surfaces.

The product is manufactured as per TU 0254-005-01055954-02.

STANDARD CHARACTERISTICS

PROPERTY	TsNII KZ
Appearance	Homogeneous smooth grease of light yellow to brown color
Effective viscosity at 0°C and average gradient of strain rate of 10 s ⁻¹ , Pa·s, or less	400
Ultimate strength at 25 °C, Pa, or more	200
Corrosion test	Resistant
Weight percentage of mechanical impurities, %, or less	0.03
Weight percentage of water, %	None
Weight percentage of free organic acid, expressed in mg KOH per 1 gr. of grease, or less	0.2

The standard product characteristics are average values and do not constitute the manufacturer's specification. They can be subject to change in accordance with the requirements of INTESMO, LLC. Please contact the technical support team for any question related to the application and replacement of grease products manufactured by INTESMO, LLC.