

# TSIATIM-201

## Low-temperature Instrument grease

### PRODUCT DESCRIPTION

The **TSIATIM-201** grease is an antifricition, frost-resistant, high melting, water-resistant instrument grease for lubricating lightly loaded rolling and sliding friction units. It can operate at temperatures ranging from minus 60 °C to plus 90 °C.

The **TSIATIM-201** grease is produced from low-viscosity petroleum oils thickened with lithium stearate with addition of an antioxidant additive. It is produced from high-quality raw materials at new and one of the most up-to-date industrial facilities in Russia.

### APPLICATION

The **TSIATIM-201** grease is designed for friction units operating with low shear force under low loads, aviation equipment, radio equipment, electromechanical and other instruments and

precision mechanisms, certain machines operating in the Far North and main units of automotive and overland machinery operating in northern areas.

### BENEFITS

- Excellent antifricition properties of the grease make it possible to increase equipment efficiency and extend its service life considerably.
- Wide temperature range (-60 °C...+90 °C) makes it possible to use the grease all year round, whereas its high frost resistance allows using it even in the Far North areas.
- High water-resistant properties of the grease allow it to be used in open and unsealed units.

**The product is manufactured as per GOST 6267-74.**

### STANDARD CHARACTERISTICS

PROPERTY	TSIATIM-201
Color	From light yellow to light brown
Type of soap	Li
Type of base oil	Mineral
Structure	Homogeneous
Dropping point, °C, or more	175
Effective viscosity, Pa·s, at -50 °C and average gradient of strain rate of 10 s <sup>-1</sup> , or less	1100
Ultimate strength, Pa, at 50 °C	250-500
Colloidal stability, % of separated oil, or less	26
Corrosive effect on metals	Resistant
Antioxidant stability, mg KOH per 1 g of grease, or less	3
Evaporation in evaporating cups at 120 °C, 1 hour, %, or less	25
Water content	None
Content of mechanical impurities	None

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.