

ANTIFRICTION LUBRICANT FOR METALLURGICAL EQUIPMENT



Areas of Application

Lubrication of friction units of metallurgical equipment operating within the temperature range from $-30\text{ }^{\circ}\text{C}$ to $+50\text{ }^{\circ}\text{C}$, under high loads and in corrosive environments

Specification

The grease is a dark brown substance, easily soluble in hydrocarbons, with a dropping point $>250\text{ }^{\circ}\text{C}$, a strength limit over 400 Pa at $20\text{ }^{\circ}\text{C}$, and with an increased oxidation stability at a temperature over $150\text{ }^{\circ}\text{C}$; it improves the protection of metal surfaces of friction units from corrosion

IPR Protection

IPR3

Advantages

The grease has a 1.4 times higher stability, a 1.5 times higher anti-wear protection factor, and a 2.9 times higher anti-fretting protection factor as compared with the domestic counterparts. Its properties are 1.8, 1.34, and 1.67 times higher, respectively, as compared with the best foreign counterparts

Stage of Development. Suggestions for Commercialization

IRL5, 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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