

Plastic grease

GREASE KZE-L, KZE-Z

Description and composition: semi-fluid greases for toothed gears KZE-L and KZE-Z are formulated upon deeply refined mineral oil, industrial asphalt and EP additive improving strength of the lubricating film.

KZE-Z grease contains also an additive improving the low-temperature properties.

Purpose: KZE greases are designed for lubrication of toothed gears, mainly in axle sets of electric traction vehicles.

KZE-L grease is used in the summer period and KZE-Z grease – in the winter period. Good adhesion of the grease guarantees good lubrication during start-ups and provides thick film on all lubricated surfaces of gear-wheels, even after a long standstill of a machine.

Application:

- slow-turning open gears,
- other couplings where adhesion properties and resistance to water perform an important function.

Characteristics:

- KZE-L grease is used during the summer period at temperatures up to 60°C,
- KZE-Z grease is used during the winter period at temperatures from -25°C to 40°C,

№	Requirements	Research Methods by	Unit	Value	
				KZE-L	KZE-Z
1.	Appearance	visually	-	Semi-fluid substance of black colour	
2.	Relative viscosity at 100°C	PN-77/C-04014	⁰ E	11	7
3.	Unworked penetration at -25 ⁰ C	PN-88/C-04133	1/10mm	-	180
4.	Flash point, min.	PN-82/C-04008	°C	220	180
5.	Corrosion effect on steel plates, 100°C/3h	PN-85/C-04093	-	Remains stable	
6.	Weld point	343	daN	250	250

The above given data are the typical values for a production batch, they are not included in technical specification, and they are subject to change due to continual product research and development.

Specifications, classifications:

ISO 6743: ISO-L-XBAHB

Packaging:

1 ton

Storage:

The products should be stored under a roof or, if it is not possible, they should be stored under cover. The products should not be stored at the temperature above 60°C and in the places where solar radiation is very strong or – temperatures very low. The expiry date is not less than 3 years if the storage conditions are satisfied.

Health, Industrial Safety and the Environment:

Information concerning health, industrial safety and the environment is included in the product Safety Sheet. It contains detailed information on possible threats, warnings, first aid as well as the impact on the environment and ways of utilization of the used products. LOTOS Oil SA and does not take responsibility for misuse of the product or – the use with the violation of the precautions given.

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