ROTHEN TK SPECIAL

High-Performance Aluminum Complex-Based Grease

DESCRIPTION

ROTHEN TK SPECIAL is a grease based on complex aluminum soap and highly refined, high viscosity lubricant mineral oil. This product contains EP additives (free of heavy metals) and a balanced array of antioxidant , anti-rust and anti-friction additives. The addition of a polymeric viscosity-enhancing additive gives excellent adhesion properties to this product during the lubrication process, while also increasing significantly its resistance to water washouts and moisture. Because of the complex nature of the thickener and its high dropping point, **ROTHEN TK SPECIAL** maintains excellent lubricating effects also at high temperatures.

APPLICATIONS

ROTHEN TK SPECIAL is used in the lubrication of bearings (not high speed factor ones, roughly $<10^3$), pin bushings, etc. ..
It can be generally employed with most moving parts subjected to high loads in the presence of water and moisture, such as machinery employed for revolving earth and others in the agricultural sector. It is especially useful when lubrication intervals need to be significantly extended , and can be employed even at high temperatures or under significant mechanical stress.

TYPICAL PHYSICAL-CHEMICAL CHARACTERISTICS (*)

Color : Dark Green
Aspect : Smooth, homogeneous, adhesive
Recommended Employment temperature : MIN. = -10°C ; MAX. = +160°C

CARATTERISTICA	UNITA' di MISURA	METODO	ESITO
NLGI Classification		ASTM D 217	2
Dripping point	°C	ASTM D 566	260
Manipulated Penetration 60 c. at 25°C	1/10mm	ASTM D 217	270
Manipulated Penetration a 10.000 c. a 25°C	1/10mm	ASTM D 217	Δ +/– 15
Anticorrhosion Test	---	ASTM D 1743	Pass
Water resistance	---	DIN 51807	0-90
TIMKEN Test	Lbs	ASTM D 2509	40
FOUR-BALL Test – welding load	Kg	ASTM D 2596	>250
WATER WASHOUT Test (1 h.-80°C)	%	ASTM D 1263	<2
Base Oil Viscosity at 40°C (ISO)) (con polimero incrementatore)	cSt	ASTM D 445	800-900

(*): The values are based on typical production, and may consequently vary.
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