

ROTHEN GS 300

Infusible grease for high-temperature adhesive polymers

DESCRIPTION

ROTHEN GS 300's series comprises greases based on highly refined mineral oil lubricant with high viscosity and a inorganic clay-based thickener, with the addition of a balanced array of antioxidant and anti-rust additives. The main feature of these greases is their excellent performance at high temperatures: in fact, infusible greases such as **ROTHEN300 GS**, unlike normal greases based on metallic soap, do not tend to melt or to soften excessively because of over-temperature, thus avoiding the leakage of lubricated grease and safeguarding the cinematic lubrication. These greases also have a good resistance against water and a good mechanical stability. A further enrichment provided by a polymeric additive gives remarkable adhesive properties to the parts needing lubrication.

APPLICATIONS

ROTHEN GS 300's series greases are suitable for all prolonged applications in the presence of high temperatures, even up to 150 °/160 ° C, and it is particularly useful with plain or rolling bearings for the glass industry's machinery, furnaces' carts and rollers, dryers, etc.. The adhesion prerogatives of these products are also particularly useful for gears and sprockets in which the grease's self-drive ensures continuous lubrication. At temperatures higher than those indicated, it may be necessary to shorten the lubrication times.

TYPICAL PHYSICAL-CHEMICAL CHARACTERISTICS (*)

Color : Amber
 Aspect : Smooth, homogenous, gluey
 Suggested Temperature for best performance : MIN. = -20°C
 MAX. = +160°C (short +180°C)

FEATURE	UNIT OF MEASURE	METHOD	OUTCOME		
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NLGI Classification	---	ASTM D 217	1	2	3
Dripping point	°C	ASTM D 566	Inf.	Inf.	Inf.
Manipulated Penetration 60 c. at 25°C	1/10mm	ASTM D 217	325	280	235
Manipulated Penetration a 10.000 c. a 25°C	1/10mm	ASTM D 217	Δ +/- 20	Δ +/- 20	Δ +/- 20
Anti Corrosion Test	---	ASTM D 1743	Pass	Pass	Pass
Water Resistance	---	DIN 51807	1-90	1-90	1-90
Base Oil's Viscosity at 40°C (ISO)	cSt	ASTM D 445	460	460	460

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