

ROTHEN FETT

Infusible Grease For High-Temperatures

DESCRIPTION

The series Rothen FETT includes greases based on highly refined, high viscosity mineral oil and an inorganic thickener based on clay, with the addition of a balanced package of antioxidant and anti-rust additives.

The main feature of these greases is the excellent performance at high temperatures: in fact, infusible greases such as **ROTHEN FETT**, unlike normal greases based on metallic soap, do not tend to melt or soften excessively under the high heat's effects, thus avoiding the leakage of grease from the lubricated cinematism, and safeguarding the lubrication. They also have a good resistance against water and an impressive mechanical stability..

APPLICATIONS

ROTHEN FETT Series' greases are suitable for all applications at prolonged high temperatures, even up to 150 °/160 ° C, such as plain or rolling bearings employed in the glass processing industry's machinery, carts and rolling furnaces, dryers, etc. It may be necessary to shorten the lubrication times at temperatures higher than those indicated.

TYPICAL PHYSICAL-CHEMICAL CHARACTERISTICS (*)

Color: Amber
 Appearance: smooth-textured, homogeneous
 Recommended temperature range: MIN. = (20 ° C MAX. = +160 ° C (+180 ° C Short)

FEATURE	UNIT OF MEASURE	METHOD	OUTCOME			
NLGI Classification	---	ASTM D217	0	1	2	3
Dripping point	°C	ASTM D566	Inf.	Inf.	Inf.	Inf.
Manipulated Penetration 60 c. at 25°C	1/10mm	ASTM D217	355-385	310-340	265-295	220-250
Anti Corrosion Test	---	ASTM D1743	Passa	Passa	Passa	Passa
Oxidation Stability (Norma-Hoffmann bomb) 100h Pressure's Fall	bar	ASTM D942	0,25/1,35	0,25/1,35	0,25/1,35	0,25/1,35
Copper corrosion 24h/120°C	---	ASTM D4048	1a	1a	1a	1a

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

BASE OIL CHARACTERISTICS (*)

FEATURE	UNIT OF MEASURE	METHOD	OUTCOME	OUTCOME	OUTCOME
Viscosity at 40°C (ISO)	cSt	ASTM D445	460	420	560
Viscosity at 100°C (ISO)	cSt	ASTM D445	32	28	35
Specific Weight	g/cm ³	ASTM D1298	0.905	0.890	0.910
Flammability Point	°C	ASTM D92	295	290	-
Viscosity Index	---	ASTM D2270	95	90	-
Pour Point	°C	ASTM D97	-8	-	-5

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