

RENOGEL HTM

High temperature clay grease with moly

Description

RENOGEL HTM grease is produced using bentonite clay as the thickening agent in place of the normal metallic soap of the conventional greases. This clay matrix will not melt and the upper working temperature is therefore limited by the physical properties of the oil. The grease also has Molybdenum disulphide added to impart the exceptional load carrying characteristics on slow moving heavily loaded bearings. The viscosity of the base oil is also carefully selected to give the necessary film strength at elevated temperatures.

RENOGEL HTM grease is available in NLGI 1 consistency also to facilitate its use in centralised greasing systems. Its maximum working temperature is around 160°C with frequent re-lubrication.

Application

RENOGEL HTM grease is for all bearings subjected to high temperature, for drying section of paper machines and electric motor bearings on very hot ventilation systems. It can also be used in the lubrication of plain and slow moving anti-friction bearings applications, especially where high loads are involved. Examples are cement kilns, steel roll bearings and mould presses.

CHARACTERISTICS

Properties	Units	Value			Test Method
NLGI Grade		1	2	3	DIN 51 818
DIN Classification		KF 1 P-20	KF 2 P-20	KF 3 P-20	DIN 51 825
Colour		Black			
Texture		Smooth			
Soap Type		Bentonite			
Worked Penetration	0.1 mm	320	277	230	ASTM D-217
Dropping Point	°C	Non-melting	Non-melting	Non-melting	ASTM D-566
Base Oil Viscosity @ 40°C	mm ² /s	480	480	480	ASTM D-445
Thickener Content	% wt.	5	7	8	
Solid Filler (MoS ₂)	% wt.	3	3	3	
Copper Strip Corrosion		Negative	Negative	Negative	IP 112
Oxidation Stability	Bar	0.4	0.4	0.4	ASTM D-942