

High Temperature Polyurea Grease

Description:

IT-4333 is mineral oil based high temperature Polyurea thickened grease designed for use in bearings exposed to wide temperature range & severe conditions like water load and speed etc. The lubricant is designed for long-term lubrication at high operating temperatures and high loads (e.g. vibrations) and esp. designed for highly loaded plain and rolling bearings, joints, slides, hinges and guiding in rolling mills, iron and steel works as well as for machines and plants in all industrial areas. Suitable for use in drum bearings in continuous wood panel presses.

Service temperature range: - 20 up to + 180 °C (short term till 200 °C)
Consistency NLGI grade 2

Features:

The lubricant exhibits remarkable extreme pressure properties, reduces friction & wear and offers low starting torque even at low temperatures. It is resistant to water, other aggressive agents & provides excellent sealing properties. The grease has high oxidation stability, good shear stability & offers low internal friction making it ideal for central lubrication systems.

Technical Data:

Sr. No	Description	Specification	Method	Unit
1	Appearance	Yellow Brown	Visual	-
2	Base	Mineral Oil & Polyurea thickener		
3	Base oil viscosity in cSt 40 °C	220	DIN 51562	mm ² /s
5	Consistency	2	DIN 51818	
6	Penetration; Worked 60 Strokes	268-295	DIN ISO 2137	NLGI grade
7	Density at 25 °C	0.88 to 0.97	In-house	g/cc
8	Drop Point	>240	ISO 2176	°C
9	Water wash out 2h/66°C	≤ 2	API BUL 5A2	%
10	Steel Corrosion (EMCOR)	0/0	ISO 11007	
11	Speed factor	3,00,000		

Method of Use:

Remove old grease residues from the bearing and clean the bearing thoroughly. Fill as usual with other greases, filling 1/3 to half of the open space of the bearing. For optimum effect thoroughly clean the lubrication points with solvent like IT-1089.

The minimum shelf life in original sealed containers, stored in a cool and dry place (no direct sunlight) is about 2 years.

Disclaimer:

The information contained in the data sheet reflects the state of engineering know-how and the results of extensive tests and practical application studies. However, on the account of diversity of possible applications and technical conditions, this information can be regarded as only indicative for suitable application and would therefore be not necessarily transferable to specific instances. We recommend, in every case, trials be conducted on specific applications before any general product use. No direct or indirect liabilities are accepted unless specified.