

Synthetic Teflon Grease

Description:

IT-4117 exhibits unique high temperature stability, low internal friction and an excellent low temperature pumpability with low starting and running torque. The lubricant has excellent adhesion, structural stability and resistance to water. The greases have a high level of chemical stability and are formulated with special additive combinations to provide excellent protection against wear, rust and corrosion at high and low temperatures. The lubricant is compatible to most plastics and suitable for use for plastic-plastic and plastic-metal component combinations.

Advantages & Benefits:

- Excellent low & high temperature performance. Ensures a longer life with increased re-lubrication intervals.
- Protection against wear & corrosion.
- Low internal friction of the grease helps pumpability and reduced energy consumption
- The grease shows an excellent performance in hostile environments

The grease is non-toxic & neutral to plastics. The consistency does not change much over a wide range of temperatures. While IT-4117 greases are compatible with most other mineral oil based lubricants, the resultant mixture may show a reduced performance. It is therefore recommended to rinse out the previous grease before changing over to IT-4117 series greases.

1. IT-4117/100 is an antiwear and extreme pressure grease primarily recommended for higher speed applications such as electric motors, where reduced friction, low wear and long service life are required.
2. IT-4117/200 is extreme pressure grease recommended for heavy-duty industrial applications esp. where centralized grease systems are utilized.

Technical Data:

Property	Specification	Test Method	IT-4117/100	IT-4117/200
Appearance		Visual	White, translucent	
Base Oil			PAO	
Worked penetration at 25 ⁰ C	0.1 mm	ASTM D 217	265-295	265-295
NLGI Grade			2	2
Drop Point	°C	ASTM D 2265	265	265
Viscosity of the base oil			100	200
Density at 27 ⁰ C	g/cc	In-house	0.88	0.88
Timken OK Load	Kg	ASTM D 2509	29.5	29.5
4-Ball Weld Load	Kg	ASTM D 2596	250	250
4 Ball Wear	mm	ASTM D 2266	0.5	0.5
Corrosion Protection		ASTM D 1743	Pass	Pass

Notes: Both the grades are available in '0', '00' & '000' consistencies

Disclaimer:

This product Data Sheet was last updated in July 2009. 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 indicative for suitable application and is not necessarily transferable to specific instances. Accordingly we recommend, in every case, that trials be conducted on specific applications before any general product use. No direct or indirect liabilities are accepted unless specified.



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