MDS Europe Ltd.
Specialists in Industrial Lubrication

PRODUCT DATA SHEET

INS Registered H1 for food plant use.

PRODUCT NAME: PFPE-Teflo Grease PRODUCT CODE: FF198

DESCRIPTION

PFPE-teflo is a white, PTFE thickened, Perfluorinated Polyether fluid based grease. The exceptional stability of this grease ensures exceptionally long term lubrication characteristics. Suitable for the lubrication of bearings, slides, small gears and valves operating at high temperatures, up to 280ºC constantly and/or where there is a risk of attack by chemicals or solvents, and in the presence of oxygen. Also suitable for applications requiring 'lubrication for life'. PFPE-Teflo has been specifically designed to replace Barrierta L55/2 in high temperature applications, and indeed has been shown to outlast other PFPE based greases in exceptionally high temperature applications.

APPLICATIONS

Plain Bearings and Rolling Bearings – Slides, Guides, Chains, Pins and Bushings, Fan Bearings, Chain Bearings, Conveyor Bearings etc. which are subjected to extremes of temperature and/or exceptional loads. FF198 offers greatly extended lubrication intervals and protection in these conditions
Whilst FF198 is inert in the presence of most plastics it is advised to carry out suitable testing prior to first use.

COST SAVING BENEFITS

1. Exceptional oxidation resistance ensures prolonged lubrication intervals at high temperatures
2. Exceptionally low levels of carbonisation at high operating temperatures substantially reduces component wear
3. Minimal evaporation loss at elevated temperatures extends lubricant life.
4. Greatly extended lubrication intervals minimises lubrication costs
5. Extremely resistant to chemicals and suitable in oxygen rich environments.
6. Excellent anti-wear properties significantly reduce replacement component costs

METHOD OF APPLICATION

PFPE-Teflo should be applied ***extremely*** sparingly by hand or via a suitable applicator designed for dispensing an NLGI 2 grease. Whilst being compatible with most PFPE type greases, it is always recommended to ***clean components thoroughly,*** with white spirit and then a suitable air drying solvent, FF133 is ideal for this, prior to applying PFPE-Teflo.
If replacing Barrierta L55/2 there is no requirement to clean or purge bearings as FF198 and Barrierta L55l2 are totally compatable.

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TYPICAL PHYSICALCHARACTERISTICS

Appearance	-	Smooth, white grease
Base Fluid	-	Perflourinated Polyether
Thickener	-	PTFE
NLGI Classification	-	2
Penetration (IP 50)	-	265 to 295
Dropping Point (ASTM D2265)	-	Not measurable
Water washout (IP 215, ASTM D1264) @ 79ºC	-	<2%
Water washout (IP 215, ASTM D1264) @ 40ºC	-	<1%
Dynamic corrosion resistance (IP 220)	-	0:0
Copper corrosion (IP 112)	-	1a
Base Fluid Viscosity @ 38°C	-	470 cSt
Shell 4 Ball (IP239) (ASTM D2596)		
Weld Load	-	800kg
Load-Wear Index	-	106kg
Operating temperature range	-	-40°C to 280°C
INS registration	-	H1 Reg. No. 1795348

This grease is recommended for use where incidental contact with food may occur. Registered by INS (Class H1) and meets the USDA H1 guidelines (1998) for lubricants for use where there is a potential for incidental food contact. Made only from substances permitted under the US FDA Title 21 CFR 178.3570, 178.3620 and/or those generally regarded as safe (US 21 CFR 182) for use in food grade lubricants.

To comply with the requirements of US 21 CFR 178.3570, contact with food should be avoided where possible. In the case of incidental food contact, the concentration of this product in the food must not exceed 10 parts per million (10mg/kg of foodstuff). In locations and/or applications where local legislation does not specify maximum concentration limits, it is recommended that this same 10 ppm limit be observed, as up to this concentration PFPE-Teflo Grease will not impart undesirable taste, odour or colour to food, nor will cause adverse health effects.
Consistent with good manufacturing practice, use only the minimum amount necessary to achieve desired lubrication result and take appropriate corrective action should excessive incidental contact with food be detected.

All ingredients are FDA listed MDS PFPE-TEFLO GREASE is INS H1 Registered and meets the USDA 1998 H1 guidelines.

This product contains no nut derived or genetically modified ingredients.

LIMITED WARRANTY MDS Europe Ltd makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in MDS Europe Ltd. materials and workmanship. This limited Express Warranty is in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of MDS Europe Ltd. The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and MDS Europe Ltd. shall not be liable for incidental or consequential damages.

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