

SYNTHETIC HIGH TEMP 2



Product Code: 0250/0578

Description

Synthetic High Temp 2 is a premium quality high performance grease manufactured using a synthetic base oil and lithium complex thickener. Synthetic High Temp 2 grease uses the latest extreme pressure (EP), anti-wear, anti-oxidation and corrosion inhibiting additives which are designed to reduce wear, improve grease performance and extend component life.

Synthetic High Temp 2 grease has been designed for the lubrication of anti-friction and plain bearings which operate in either low or high operating temperatures over extended periods with reduced carbon residues associated with other high-temperature greases. PTFE solid lubricant additives impart excellent performance, making Synthetic High Temp 2 an extremely versatile grease as used in many applications within the agricultural, automotive, construction, commercial, forestry, industrial, marine and steel industries.

Features & Benefits

- Outstanding oxidation stability provides lasting lubrication at higher temperatures
- Outstanding rust and corrosion protection
- PTFE additions provide excellent load bearing properties and anti-wear performance
- Excellent Mechanical stability extends relubrication and prolongs component life
- Excellent resistance to water washout

Method of Application

Always follow the equipment manufacturer's recommendations and instructions prior to use. As with all greases used for the first time, check compatibility with the grease applied previously and if necessary, clean or purge components prior to application. To ensure adequate lubrication, apply the quantity of grease recommended by the equipment manufacturer.

Packaging

To customer requirements. Minimum order quantities apply.

Storage

Products should always be stored in their original packaging and at temperatures between 0°C and 25°C, away from any moisture or direct sources of heat or sunlight. The recommended shelf life for grease is 2 years when stored under normal recommended conditions.

Handling

For more extensive information on the safe handling and use of this product, please refer to the product safety data sheet (SDS). A copy of the SDS is available on request.

Harmonised Commodity (HS) Code: 34039900

"YOUR GREASE IS OUR SPECIALITY"

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Established 1940. Registered in England No. 360850. Certified ISO 9001 & 14001

The information and technical advice contained in this document is subject to change without notice and is given in good faith but without warranty. Any data provided indicates typical properties and is not a guarantee of specific performance. It is the user's responsibility to determine the suitability of the product for the intended application.

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Technical Data

Technical data provided is typical of a production batch and as such, batch-to-batch variations may occur. Please note that method-specific repeatability and reproducibility tolerances are also applicable.

Properties	Unit	Method	Typical
Appearance	-	-	Smooth Grease
Colour	-	-	Light Brown/Beige
NLGI Grade	-	-	2
Thickener	-	-	Lithium Complex
Base Oil	-	-	PAO
Base Oil Viscosity @ 40°C	cSt	ASTM D445	46
Worked Penetration	dmm	ASTM D217	265-295
Dropping Point	°C	ASTM D2265	>260
Four Ball Weld Load, 10s	kgf	IP 239	355
Four Ball Wear Scar, 40kg 1 hour	mm	IP 239	0.52
Extended Worked Penetration 100,000 strokes	dmm	ASTM D217	+54
Roll Stability – 2 hours @ 35°C	dmm	ASTM D1831	+32
Oil Separation		IP 121	
42 hours @ 40°C	%		1.2
168 hours @ 40°C	%		2.1
Copper Corrosion 24 hours @ 100°C	-	ASTM D4048	1a
Corrosion (EMCOR) Distilled Water	-	ASTM D6138	2,2
Corrosion	-	ASTM D1743	Pass
Water Washout 1 hour @ 79°C	%	ASTM D1264	5.8
Water Spray-Off	%	ASTM D4049	98
Oxidation Stability Time to 10% Loss @ 160°C	min	ASTM D8206	240
FFK Flow Pressure, - 50°C	hPa	DIN 51805-2	1150
Operating Temperature	-	-	-40°C to +180°C

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