



Firetemp XT 2

Synthetic high temperature grease

Description

Castrol Firetemp™ XT 2 is a high temperature polyurea thickened grease fortified with extreme pressure (EP) additives as well as corrosion and oxidation inhibitors to provide a grease with outstanding lubricating properties. The fully synthetic, thermally stable structure guarantees long re-lubrication intervals at maximum operational reliability.

Application

Firetemp XT 2 is designed for rolling and sliding bearings at normal to medium peripheral speeds and high operating temperatures in applications such as:

- Heated bearings of dry calenders and dry cylinders
- Fan bearings
- Conveyor systems in paint lines
- Autoclaves
- Baking ovens
- Continuous-flow drying ovens

Temperature application range: -25°C/-13°F to +180°C/+356°F. Short-term operation at higher temperatures is possible –please consult your local Technical Services.

Advantages

- Outstanding oxidation and thermal stability – provides reliable performance and extended lubricant life in severe applications.
- Excellent corrosion protection – helps prevent rust and oxidation on metal surfaces.
- Resistant to cold and hot water – the grease film remains on the surface even in the presence of water.
- Structurally stable – ensuring continual lubrication.
- Easily pumpable in central lubrication systems.
- Optimum wear protection – leading to longer bearing life, extended lubrication cycles and uninterrupted service.

Typical Characteristics

Name	Method	Units	Firetemp XT 2
Appearance	Visual	-	Red
Thickener type	-	-	Polyurea
Base oil	-	-	PAO
Consistency	ISO 2137 / ASTM D217	NLGI Grade	2
Density @ 20°C / 68°F	ASTM D4052	kg/m ³	888
Worked Penetration (60 strokes @ 25°C / 77°F)	ISO 2137 / ASTM D217	0.1 mm	265-295
Dropping point	ISO 2176 / ASTM D566	°C/°F	280/563
Base Oil Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	270
Rust Test - EMCOR (distilled water)	ISO 11007 / ASTM D6138	Rating	0/0
Copper Corrosion (24 hrs, 100°C / 212°F)	ASTM D4048	Rating	1b
Water Resistance	DIN 51807-1	Rating	0
Oil Separation (168 hrs @ 40°C / 104°F)	IP 121 / DIN 51817	% wt	2.5
Flow pressure @ -20°C / -4°F	DIN 51805	mBar	400
SRV Friction and Wear test (400N / 2 hrs / 50°C)	ASTM D5707	coeff. of friction/wear scar diam (mm)	0.1
FE-9 Bearing Life test - B/1500/6000-180	DIN 51821-2	Pass	Pass
DIN Classification	DIN 51502	-	KPHC 2 R-25
ISO Classification	ISO 6743/9	-	L-XBFHB-2

Subject to usual manufacturing tolerances.

Additional Information

- Please follow the bearing manufacturers' specifications.
- Firetemp XT 2 should not be mixed with other greases or oils. In case of doubt please consult your local Technical Services.
- Higher temperatures are possible for short-term applications. Please contact your local application engineers for more information.

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