

PROGUARD CSX series

Extreme-pressure water resistant high temperature Grease

Product Description:

PROGUARD CSX series is a high-performance special calcium sulfonate complex thickened lubricating grease based on mineral oil. It is formulated to be used for high temperature applications of plain and rolling bearings exposed to heavy loads in the presence of water.

Properties:

- Reduced operating and maintenance costs
- Excellent load carrying
- Longer maintenance intervals and reduced equipment downtime
- Excellent resistance to shock loads
- Excellent good water resistance
- Good sealing capacity
- Operating Temperature -25°C / 180°C (short term (200 °C))

Applications:

PROGUARD CSX series is suitable for the lubrication of bearings in steel plants (continuous castings and rolling mills) and in paper industry and applied in heavy industries such as steel making, mining, cement and paper. Typical applications for PROGUARD CSX series, include couplings, plain and rolling bearings in cold and hot rolling mills, in paper machines especially in wet areas and pins & bushes in mobile equipment, among several other applications with high load and friction also in demanding environments.

Health, Safety and Environment:

- Normal safety precautions (gloves and safety goggles) Should be employed
- Avoid eye and prolonged skin contact.
- Wash thoroughly after handling material.
- Don't discharge used oil in drains, dispose to an authorized used oil collection point

Storage Conditions:

- Should be stored sealed under normal conditions.
- Shelf life in original package and at room temperature is 3 years

Packing Available in:

- 15 Kg
- 180 Kg

Physical and chemical conditions:

PROGUARD CSX	Method	220	462
Appearance	Visual	Smooth and Homogeneous	
color	Visual	Yellow	
Base Oil	-	Mineral	
Thickener	-	Calcium Sulfonate Complex	
Base Oil Viscosity@ 40°C	ASTM D 445	220	460
Worked Penetration (1/10 mm)	ASTM D 217	265 - 295	265 - 295
NLGI No	-	2	2
Dropping Point, °C	ASTM D 2265	>300	
Four Ball EP, Kg	ASTM D 2596	530	650
Four Ball AW, mm	ASTM D 2266	<0.45	
Water Washout, Weight, %	ASTM D 1264	Max. 4	
Oil Separation(50h-100°C), Weight %	ASTM D 6184	Max. 1.5	
Emcor Salt Water	ISO 11007	0/0	