



TECHNICAL DATA SHEET

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Quality Standards:
ISO 9001:2015
ISO 14001: 2015
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ClareTech CSX 220 NLGI 1-2

Calcium Sulphonate Complex Grease
NLGI 1-2

Introduction

ClareTech CSX 220 is a technologically advanced grease, formulated using over based calcium sulphonate soap thickener.

It is characterised by exceptional performance under high pressures and temperatures, with excellent resistance to water and corrosion while keeping a excellent pumpability properties.

Its inherent chemical and physical characteristics give superior anti-wear and extreme pressure properties meaning your assets are given long life protection in a wide range of industrial applications.

Applications

ClareTech CSX 220 has been formulated for low temperature performance utilising a specially selected base oils. It is a multi-purpose industrial grease, used in industries such as steel and paper mills, agricultural applications and other similar conditions.

Features and Benefits

- Excellent low temperature properties
- Superior water resistance properties
- Excellent anti-oxidation and anti-corrosion properties
- Excellent pumpability
- High load rating

Typical Characteristics

Thickener		Calcium Sulphonate Complex
Appearance	Visual	Smooth Tacky
Colour	Visual	Beige
Base Oil Viscosity at 40°C	ASTM D445	190-210cSt
Worked Penetration	ASTM D217	290-320
Drop Point	IP 396	>250°C
4 Ball Weld Load	IP 239	500kg
4 Ball Wear Scar	IP 239	<0.5mm
Water Wash Out	ASTM D1264	<2%
Copper Corrosion	ASTM D4048	1 (no tarnish)
EMCOR (distilled water)	IP 220	0
Flow Pressure at -20°C	DIN 51805	325 mbar
Flow Pressure at -35°C	DIN 51805	<1400mbar
Oil Separation (40°C, 168 hrs)	IP 121	<1%
Operating Temperature Range		-30°C—160°C

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