

CRUZE Xtreme EP series

High Performance Lithium Complex Extreme Pressure Greases

Product Definition

CRUZE Xtreme EP series are high performance greases, formulated with lithium complex based thickeners, high viscosity index base oils and extreme pressure additive system to provide excellent protection against wear, rusting and water washout. They are available in NLGI grades ranging from 00 to 3 with base oil viscosity of ISO VG 220. They are suitable for most types of Automotive and Industrial applications, including heavy-duty Marine applications where high temperatures, heavy loads and extreme unit pressures are present. EP 1, 2, 3 & 2 Moly greases are suitable for operating temperatures range from -20°C to 140°C, while EP 00 & 0 greases are suitable for operating temperatures range from -25°C to 130°C.

Application/Usage

- CRUZE Xtreme EP series are suitable for most types of Marine, Automotive & Industrial applications.
- CRUZE Xtreme EP 00, EP 0 and EP 1 are suitable for centralized lubrication systems and other applications where low temperature performance and effective leakage control are required.
- CRUZE Xtreme EP 2 and EP 3 are suitable for antifriction and plain bearings, bushings and pins, operating under moderate to severe load conditions & in applications with high moisture ingress.
- CRUZE Xtreme EP 2 Moly, fortified with MoS₂ is suitable for use in bucket pins, pivot pins & fifth wheels.

Features

- **Excellent Oxidation and Thermal stability**
 - Protects against deposit formation at high operating temperatures and oil thickening, thus maintains the life and performance of grease.
- **Outstanding load carrying capacity**
 - Reduces wear under heavy or shock loading and vibrations, for good equipment reliability and performance.
- **Excellent corrosion protection**
 - Protects bearing surfaces against corrosion, even when the grease is contaminated with water.
- **Outstanding mechanical stability**
 - Resists grease softening in application, where mechanical working and high vibrations extended leads to subsequent loss of lubrication performance and leakage.

Product Package

180 KG - 18 KG.

Storage

Protect from direct sunlight and rain. Store in the original closed drums and in covered areas. Storage temperature must be between (+5)-(+40)°C.

Health and Safety

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application. Used or waste product should not be allowed to contaminate soil or water. Used or waste product should be disposed of in accordance with local regulations. For further guidance on product Health and Safety refer to the appropriate Material Safety Data Sheet.

TECHNICAL PROPERTIES	UNIT	TEST VALUES						TEST METHOD
		EP 00	EP 0	EP 1	EP 2	EP 3	EP 2 Moly	
NLGI Grade	--	00	0/1	1	1.5	3	2	ASTM D-217
Thickener Type	--	Li-Cx	Li-Cx	Li-Cx	Li-Cx	Li-Cx	Li-Cx	---
Penetration, Worked @ 25 °C	0.1 mm	400-430	355-385	310-340	265-295	220-250	265-295	ASTM D-217
Viscosity @ 40 °C	cSt	220	220	220	220	220	220	ASTM D-445
Dropping Point	°C	--	220	230	230	230	230	ASTM D-566
4-Ball Wear, Scar	mm	0.5	0.4	0.4	0.4	0.4	0.4	ASTM D-2266
4-Ball Weld Load	Kg	310	315	315	315	315	380	ASTM D-2596

"The above information is derived from our quality checks. Given values are typical of current production. While future production will conform to our specification, variations in these characteristics may occur. Quality Control Analysis Report for to learn properties of the product that is supplied can give. It does not relieve the purchaser from examining product upon delivery and gives no assurance of the product for any particular purpose. Due to continual product research and development, the information contained herein is subject to change without notification."