

## CRUZE LITH EP series

High Performance Lithium based - Extreme Pressure Greases

### Product Definition

CRUZE LITH EP series are high performance greases, formulated with lithium based thickeners and extreme pressure additive system to provide extra protection against wear, rusting and water washout. They are available in NLGI grades ranging from 000 to 3 with base oil viscosity of ISO VG 150, 320 & 460. They are suitable for most types of Automotive and Industrial applications, including heavy-duty applications where high unit pressures are present. EP 0, 1, 2 & 3 greases are suitable for operating temperatures range from -20°C to 130°C, while EP 000 & 00 greases are suitable for operating temperatures range from -25°C to 120°C.

### Application/Usage

- CRUZE LITH EP series are suitable for most types of Marine, Automotive & Industrial applications.
- CRUZE LITH 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 LITH EP 2 and EP 3 are suitable for multipurpose applications in antifriction and plain bearings, bushings and pins, operating under moderate to severe load conditions.

### Features:

- **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. High oxidation (ageing) stability

- **Good Oxidation and Thermal stability**
  - Protects against deposit formation at high operating temperatures and oil thickening, thus maintains the life and performance of grease.
- **Excellent resistance to water washout**
  - Resists washout of grease in equipment and provides good lubrication even in presence of water.
- **Superior mechanical stability**
  - Resists grease softening in application, where extended mechanical working and high vibrations leads to subsequent loss of lubrication performance and leakage. Good performance at low and high temperatures and high loads

### 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
		000	00	0	1	2	3	
NLGI Grade	--	000	00	0	1	2	3	ASTM D-217
Thickener Type	--	Lithium	Lithium	Lithium	Lithium	Lithium	Lithium	---
Penetration, Worked @ 25 °C	0.1 mm	445-475	400-430	355-385	310-340	265-295	220-250	ASTM D-217
Viscosity @ 40 °C	cSt	460	320	160	160	160	160	ASTM D-445
Dropping Point	°C	250	-	-	190 (min)	190 (min)	190 (min)	ASTM D-566
4-Ball Wear, Scar	mm	0.5	0.5	0.4	0.4	0.4	0.4	ASTM D-2266
4-Ball Weld Load	Kg	240	240	250	250	250	250	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."