

ExxonMobil CM-S Mobilgrease CM Series

Category : Fluid , Lubricant , Lithium Gellant

Material Notes:

Mobilgrease CM Series products are a family of high performance extreme-pressure greases. Mobilgrease CM-P and CM-S are NLGI Grade 2, while Mobilgrease CM-W and CM-L are NLGI Grade 1. All four products are manufactured with a proprietary high-temperature, lithium complex thickener system. They exhibit excellent resistance to softening under severe working, and provide good adhesion and cohesion. An extreme-pressure additive provides exceptional protection against wear and shock loads, while additional additives enhance resistance to high-temperature oxidation and protection against rust. In addition, Mobilgrease CM-P and Mobilgrease CM-L contain 3% molybdenum sulphide for additional wear protection. Other formulation features provide low-temperature dispensing, very good resistance to water wash, and long service in bearings operating at high temperatures. These heavy-duty, severe-service greases have outstanding structural and chemical stability. Mobilgrease CM Series products will not corrode steel or copper-bearing alloys and are compatible with conventional seal materials. Mobilgrease CM greases are recommended for construction and mining sector applications, as well as heavily loaded industrial bearings. Mobilgrease CM-P is recommended for highly loaded plain and antifriction bearings and other applications where the three percent molybdenum disulphide and high-temperature thickener system will provide good performance. Mobilgrease CM-S is recommended for the lubrication of plain and antifriction bearings in contractor and mining vehicles working under severe operating and weather conditions. The recommended application temperature range for Mobilgrease CM-P and CM-S is -20° C to +175° C Mobilgrease CM-L and CM-W are winter-grade products and are recommended for cold-temperature service. The recommended application temperature range for Mobilgrease CM-L and CM-W is -30° C to +175° C. The Mobilgrease CM family of products are highly recommended for heavily loaded applications or environments highly contaminated with water, especially in the contractor / mining sector. Specific examples of such applications include: Heavy-duty trucks especially, hinge and bucket pins; Mining and construction equipment; Highly loaded plain and antifriction industrial bearings

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-CM-S-Mobilgrease-CM-Series.php

Physical Properties	Metric	English	Comments
Kinematic Viscosity at 40°C (104°F)	320 cSt	320 cSt	ASTM D445

Mechanical Properties	Metric	English	Comments
Four Ball Wear	0.500 mm	0.0197 in	ASTM D2266
Penetration	-4.00	-4.00	Penetration Consistency Change, mm/10; ASTM D1831
	380	380	Worked, 25°C, mm/10; ASTM D217
Timken Test	>= 18100 g	>= 40.0 lb	

Thermal Properties	Metric	English	Comments
Dropping Point	260 °C	500 °F	ASTM D2265

Descriptive Properties	Value	Comments
Color	orange	
Copper Strip Corrosion, ASTM D4048	1A	
Corrosion Prevention, ASTM D1743	pass	
Soap/Thickener Type	lithium complex	
Water Washout, ASTM D1264, wt%	6	@ 79°C

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