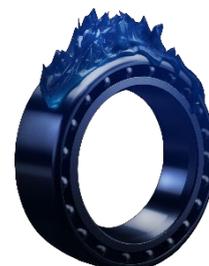


TECHNICAL PRODUCT SHEET

INNOVA™ COMPLEX/HD NLGI 2



DESCRIPTION

INNOVA™ COMPLEX/HD is a premium, heavy-duty grease formulated with high-quality, high-viscosity base oil and a lithium complex thickener. This advanced formulation provides exceptional adhesion to metal surfaces, superior resistance to water washout, and excellent structural stability under severe operating conditions. It offers outstanding pumpability at low temperatures and ensures very low start-up and operating torque, making it ideal for centralized lubrication systems. The lithium multicomplex structure enhances durability, water resistance, and mechanical integrity, delivering reliable performance in demanding industrial and automotive applications.

APPLICATIONS

INNOVA™ COMPLEX/HD is a multipurpose, high-performance grease designed for heavy-duty applications. It is ideal for lubricating wheel bearings, axles, ball joints, chains, and cables operating under severe conditions. Its excellent adhesion, water resistance, and structural stability make it suitable for use in automotive, industrial, and off-road equipment, ensuring reliable protection against wear and corrosion even in wet or contaminated environments.

SPECIFICATIONS

NLGI 2 DIN51825 KP2P-25 ISO 6743/9 L-X-CEHB2

PROPERTIES

INNOVA™ COMPLEX/HD offers exceptional mechanical stability and superior adhesion to metal surfaces, ensuring reliable lubrication under heavy loads and severe operating conditions. Its lithium complex thickener provides outstanding structural integrity, excellent water resistance, and enhanced protection against corrosion. The high-viscosity base oils deliver strong film strength and thermal stability, while the grease maintains very low start-up and operating torque, making it suitable for use in cold environments and harsh conditions.

BENEFITS

INNOVA™ COMPLEX/HD provides long-lasting protection and reliable performance under severe operating conditions. Its superior adhesion and water resistance ensure excellent lubrication even in wet or contaminated environments, reducing wear and corrosion. The grease's outstanding mechanical stability and thermal resistance maintain consistency under heavy loads and high temperatures, while its low start-up and operating torque improves energy efficiency and equipment reliability. These benefits make it an ideal choice for heavy-duty applications requiring durability and extended service life.



TECHNICAL PRODUCT SHEET

PHYSICAL-CHEMICAL CHARACTERISTICS

INNOVA™ COMPLEX/HD	METHOD	
NLGI Grade		2
Color/Appearance	Visual	Brown
Texture	Visual	Smooth
Thickener type		Lithium complex
Base Oil		Blend of mineral oils
Base oil viscosity @40°C, mm ² /s	ASTM D445	460
Dropping point, °C	ASTM D2265	265
Worked penetration, 10 ⁻¹ mm @25 °C		
- 60 strokes	ASTM D 217	265-295
- 100,000 strokes		+8%
EP properties weld point, kgf	ASTM D 2596	400
Wear preventive characteristics		
- Scar diameter, mm	ASTM D 2266	0.50
Antirust properties	ASTM D 1743	pass
Operating temperatures, °C		-25/+160 (+180 short peaks)

The above mentioned characteristics represent mean values.

STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

