Ωmega®
The Ultimate Lubricant

609

OMEGA 609 Food-Grade Air Line Lubricant

Food-Grade Air Line Lubricant

TRUST OMEGA TO
Save Money
Enhance Performance
Extend Service Life

- *Made from the purest food-grade white base oils for new levels of safety.*
- *Easily meets or exceeds most safety requirements.*
- *Positively prevents "curdling" when in contact with water.*

NSF®

Nonfood Compounds Program Listed
Category Code : H1
Registration Number : 124233

ITW PERFORMANCE POLYMERS & FLUIDS®
KOREA

SPECIAL FEATURES

Omega 609 Food-Grade Air Line Lubricant is the highly refined oil with built-in safeguards to protect products from accidental and operational contact.

- **Omega 609** is made from the purest food-grade white base oils for new levels of safety.
- **Omega 609** easily meets or exceeds most safety requirements.
- **Omega 609** positively prevents "curdling" when in contact with water.

609

OUTSTANDING PROPERTIES

Omega 609 is the food-grade air line lubricant that:

- Is formulated to provide superior lubrication in air-pressurized oil-dispensing air systems.
- Satisfies lubrication requirements for pneumatic tools that require a high-purity lubricant.
- Features extremely stable viscosity profile under widely varying operating conditions.
- Contains special additives for unmatched resistance to oxidation.

USE FOR

The purity of **Omega 609** provides a new level of safety should product accidentally, or through operating conditions, come into contact with food and beverage, pharmaceutical or sanitation processing equipment.

Omega 609 is formulated to help prevent the formation of blockages in valves, nozzles and hoses subject to air pressures and contaminants inherent in the operation of air line equipment.

Use **Omega 609** in pressurized air systems in:

- Food and Beverage Operations
- Pharmaceutical Equipment
- Sanitation Processing Equipment
- And more ...

Ωmega®
The Ultimate Lubricant

ITW PPFK reserves the right to modify or change this product for purposes of improving its performance characteristics.
© 2016 ITW PP & F Korea Limited

The Omega Trade Mark is the property of ITW Inc., and is used under licence by ITW PP & F Korea Limited.

ITW PERFORMANCE POLYMERS & FLUIDS® KOREA

The information contained in this publication is to the best of our knowledge and accurate at the time of issue in October, 2016

Omega
The Ultimate Lubricant

609

Nonfood Compounds
Category Code : H1
Registration Number : 124233

DESCRIPTION:

Omega 609 is an all-new, Food Grade Air-Line Lubricant made from the purest, refined base oils that heralds a new level of safety with in-built safeguards should the product accidentally or through operating conditions, come into incidental contact with food or beverage processing, pharmaceutical, or sanitation process equipment.

SUPERIOR STABILITY UNDER VIRTUALLY ANY CONDITION:

Omega 609 features an extremely stable viscosity profile under varying operating conditions and maintains its consistent flow characteristics at virtually any operating temperature that air line equipment is normally subjected to.

Unlike ordinary lubricants, Omega 609 shows very little viscosity fluctuation under high or low operating temperature conditions and even under cyclic temperature conditions. This characteristic provides “peace-of-mind” lubrication that engineers often require but seldom obtain from ordinary low-performance lubricants.

HIGH PERFORMANCE LUBRICANT:

Due to the air pressures and contaminants often inherent with the operation of air-line equipment, the ability of Omega 609 to prevent the formation of blockage elements in valves, airways, nozzles and hoses provides enhanced safety, coupled with consistent operating environment air pressures.

Omega 609 positively prevents 'curdling' when it comes into contact with water and/or moisture and cannot therefore interfere or form hard blockages at the connection stages of air line equipment. Omega 609 ensures free flowing properties are maintained throughout the equipment on which it is used.

SAFETY SUPERIOR TO ANY ORDINARY LUBRICANT:

Omega 609 easily meets or exceeds safety requirements due to its Food Grade qualities of purity and its high performance lubrication which maintains equipment in top operating condition. Omega 609 also satisfies the lubrication requirements for pneumatic air-tools that require a high purity lubricant.

OUTSTANDING PROTECTION FROM OXIDATION:

Omega 609 contains special additives that provide outstanding resistance to oxidation. This protection extends to all feedlines and parts through which Omega 609 flows. This outstanding oxidation resistance property is extremely important to machinery and parts life due to the continuous introduction of air in air line equipment which causes ordinary oils to oxidize rapidly.

Omega 609 also feature negligible “volume displacement” action to resist foaming more effectively than ordinary air line lubes. This provides additional operational savings since feedline foaming causes wastage by increasing application feed rates unnecessarily.

The combination of far superior oxidation resistance and lower foaming provides for substantial long term savings for air line systems using Omega 609.

Copyright, All rights reserved.
ITW PP & F Korea Limited reserves the right to modify or change this product for purposes of improving its performance characteristics.

TYPICAL DATA:

TEST	ASTM TEST METHOD	TEST RESULT
		SAE10
ISO Viscosity Grade	D-2422	32
Appearance	Visual	Water White
Density, Kg/L @ 15°C	D-1298	0.869
Viscosity, cSt @ 40°C	D-445	32
Viscosity, cSt @100°C	D-445	5.8
Viscosity Index	D-2270	116
Flash Point, COC, °C(°F)	D-92	198 (388)
Pour Point, °C(°F)	D-97	-15 (5)
Total Acid Number, mg KOH/g	D-974	0.8
Forming Characteristics -		
All Sequences, After Settling	D-892	Nil
FZG Gear Test, Failure Stage Load	DIN 51354	11
Rust-Preventing Characteristics,	D-665 (B)	Pass
Copper Strip Corrosion, 3 hours @ 100°C	D-130	1b
Oxidation Characteristics, Hours to TAN 2.0	D-943	>1200
Zinc, % Mass	-	Nil
Ash, % Mass	-	Nil

The characteristics given above are typical of current production only and slight batch to batch variations should be expected.

ITW PERFORMANCE POLYMERS & FLUIDS

Copyright, All rights reserved.
ITW PP & F Korea Limited reserves the right to modify or change this product for purposes of improving its performance characteristics.