

Technical Data Sheet

Base Oil 600N

Flexi-Containers / ISO Tanks / Bulk Vessels

Description

N600 is a high-viscosity Group II base oil produced through hydrocracking and hydroprocessing, which significantly increases saturate levels and eliminates impurities such as sulfur, nitrogen, and aromatics. These advanced refining techniques result in a cleaner, more stable oil with enhanced thermal and oxidative performance.

This base oil performs well in areas such as volatility control, oxidation stability, and flash/fire points. However, it offers only moderate performance in low-temperature behavior, including pour point, cold crank viscosity, and extreme pressure wear resistance. With a viscosity of approximately 11.5-12.8 cSt at 100°C, N600 is a reliable choice for applications requiring high-temperature stability and cleanliness.

Applications

- Transformer oils
- Ink oils
- Marine oils
- Industrial gear oils
- Automotive transmission fluids
- White oils
- Process oils
- Gear and axle oils
- Multi-purpose lubricants
- Mold release oils
- Hydraulic oils
- Motion control oils

Specifications

PROPERTY	UNIT	METHOD	SPECIFICATIONS
Color	–	ASTM D 1500	0.5 MAX
Density at 15°C	g/ml	ASTM D 1298	REPORT
Viscosity at 100°C	cst	ASTM D 445	11.5-12.8
Viscosity at 40°C	cst	ASTM D 445	REPORT
Viscosity Index	–	ASTM D 2270	100 MIN
Flashpoint	°C	ASTM D 92	246 MIN
Pourpoint	°C	ASTM D 97	-12 MAX
Sulfur	PPM	ASTM D 2622	<15

Safety and Handling Guidelines

This lubricant is formulated with highly refined mineral oils and performance additives. Under normal usage conditions, it poses no significant toxic hazard. However, all lubricants must be handled with care to ensure user safety and environmental protection.

- Continuous skin contact can result in irritation—clean the area well after exposure.
- In the event of skin contact, cleanse the area immediately using soap and water.
- Do not dispose used oil into drains, watercourses, or the environment.
- Dispose the used oil at an authorized collection or recycling facility.