

Technical Data Sheet

Base Oil 70N

Flexi-Containers / ISO Tanks / Bulk Vessels

Description

70N Base Oil is a Group II paraffinic oil with low viscosity and high purity, formulated for industrial use—especially for lubricating metal parts subjected to constant friction and harsh operating environments. It has a viscosity of approximately 2.9-3.3 cSt at 100°C.

This base oil is produced by refining heavy distillate fractions of crude oil through advanced processes such as high-pressure hydrocracking and deep dewaxing. These methods effectively eliminate impurities, including sulfur, nitrogen compounds, and metallic residues, resulting in a highly stable and clean base stock. Following refinement, performance-enhancing additives may be introduced to tailor the oil for specific end uses.

Applications

- Transformer oil, ink oil
- Marine oil
- Industrial gear oil
- Automatic transmission fluid
- White oil process oil
- Gear oil, Axle oil
- Metalworking fluids
- Hydraulic and compressor oils
- General industrial lubricants

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	2.9-3.3
Viscosity at 40°C	cSt	ASTM D 445	REPORT
Viscosity Index	–	ASTM D 2270	76 MIN
Flashpoint	°C	ASTM D 92	175 MIN
Pourpoint	°C	ASTM D 97	-30 MAX
Sulfur	PPM	ASTM D 2622	10 MAX
NOACK	wt%	ASTM D5800-B	–

Safety and Handling Guidelines

These lubricants are formulated with highly refined mineral base oils and specific additives. Under normal use, they do not pose significant toxic hazards. However, all lubricants should be handled with care to ensure safety and environmental protection.

Precautions

- Avoid prolonged or repeated contact with skin.
- Prevent splashing and exposure to combustible materials.
- Always store in a covered area, away from sources of pollution.
- Dispose of used oil responsibly—never pour it into drains, watercourses, or onto the ground.