

Technical Data Sheet

Base Oil 150N

Flexi-Containers / ISO Tanks / Bulk Vessels

Description

N 150 Base Oil is a popular Group II base oil commonly used in manufacturing premium lubricants. It is manufactured through an advanced hydrocracking refining process that enhances its chemical structure, resulting in improved stability and performance compared to lower-grade oils. It has a viscosity of 5-5.5 cSt at 100°C. As a light refined base oil, N 150 ranks close to the lower threshold within Grade II light base oil standards. The production involves solvent refining and dewaxing steps, followed by hydrotreatment to remove impurities and optimize product purity. Primarily, N 150 serves as a reliable base stock for lubricant and lubricant additive formulations across various industrial and automotive applications.

Applications

N 150 serves as a base stock for several industrial lubricants

- General purpose oils
- Mould oil
- Transmission fluids
- Gear oils
- Metal working fluids
- Additives
- Hydraulic oils
- Machine oils
- Hydraulic oils
- Engine oil
- transmission oils for automatic transmissions
- Technological oils
- Maintenance oils
- Protective oils
- Anti-adhesive oils
- Anticaking solutions

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	5-5.5
Viscosity at 40°C	cst	ASTM D 445	REPORT
Viscosity Index	–	ASTM D 2270	100 MIN
Flashpoint	°C	ASTM D 92	200 MIN
Pourpoint	°C	ASTM D 97	-12 MAX
Sulfur	PPM	ASTM D 2622	1 MAX
NOACK	wt%	ASTM D5800	-

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.