

## Technical Data Sheet

### Base Oil 110N

Flexi-Containers / ISO Tanks / Bulk Vessels

#### Description

**Base Oil 110N** is a Group II paraffinic base oil characterized by low viscosity and high purity. It is produced through advanced hydrocracking and hydro-dewaxing, which effectively removes sulfur, nitrogen, metals, and other impurities. The result is a clean, highly saturated base oil with excellent thermal and oxidative stability. It has a viscosity of 3.8-4.4 cSt at 100°C and 21-25 cSt at 40°C.

With lower NOACK volatility than many other Group II 4 cSt base oils, 110N is particularly well-suited for engine oil formulations and other high-performance lubricant applications requiring low evaporation and consistent viscosity.

#### Applications

##### Automotive & Transportation — Lubricants & Functional Fluids

- Engine oils
- Automatic transmission fluids

##### Industrial Lubricants

- Hydraulic fluids
- Gear oils
- Compressor oils
- Metalworking fluids

##### Industrial Lubricants

- Grease manufacturing
- Process 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	3.8-4.4
Viscosity at 40°C	cSt	ASTM D 445	21-25
Viscosity Index	–	ASTM D 2270	100 MIN
Flashpoint	°C	ASTM D 92	205 MIN
Pourpoint	°C	ASTM D 97	-15 MAX
Sulfur	PPM	ASTM D 2622	1 MAX
NOACK	wt%	ASTM D5800	17 MAX

#### 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.