

Technical Data Sheet

Base Oil 3cSt

Flexi-Containers / ISO Tanks / Bulk Vessels

Description

3cSt base oil is a premium Group III base oil, celebrated for its superior performance characteristics. Its excellent oxidation stability, low sulfur content, high viscosity index, and outstanding low-temperature fluidity make it a vital component in a broad range of industrial and automotive lubricants. It has a viscosity of approximately 3-3.5 cSt at 100°C.

Applications

3cSt base oil serves as a versatile blending component across multiple industries, including:

- **Textile and Cutting Oils:** Enhances efficiency and extends the service life of textile machinery and cutting tools.
- **Turbine Lubricants:** Provides reliable protection and optimal performance in turbine systems.
- **Engines, Heat Pumps, Heat Exchangers, and Hydraulic Fluids:** Delivers superior lubrication and safeguards critical components.
- **Viscosity Index Improver:** Improves the viscosity index of other base oils, boosting overall lubricant performance.
- **Additive for Industrial and Automotive Lubricants:** Enhances the quality and effectiveness of lubricants used in diverse applications.

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	3-3.5
Viscosity at 40°C	cst	ASTM D 445	REPORT
Viscosity Index	–	ASTM D 2270	100 MIN
Flashpoint	°C	ASTM D 92	170 MIN
Pourpoint	°C	ASTM D 97	-20 MAX
Sulfur	PPM	ASTM D 129	10 MAX
NOACK	wt%	ASTM D5800-B	–

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.