HEAT TRANSFER OIL GX

ISO 100

REXOIL HEAT TRANSFER OIL GX ISO 100 is a premium-quality heat transfer fluid formulated with highly refined base oils and an advanced additive system to provide efficient, stable and long-lasting heat transfer performance under demanding operating conditions. Its excellent thermal and oxidative stability, strong resistance to sludge and deposit formation, low volatility and reliable circulation properties help maintain clean heat transfer surfaces, minimize fluid degradation and support extended service intervals.

REXOIL HEAT TRANSFER OIL GX ISO 100 is recommended for **closed and open indirect heat transfer systems** used in industrial heaters, heat exchangers, jacketed vessels, reactors, dryers, ovens and process heating equipment. Its higher viscosity makes it particularly suitable for systems requiring enhanced film strength and reliable lubrication of circulating components, across applications in the **textile, chemical, plastics, rubber, food, pharmaceutical, wood, paper and packaging industries**.

Features and Benefits

- **Advanced Thermal Stability:** Provides excellent resistance to thermal degradation, supporting reliable performance during continuous high-temperature operation.
- **Excellent Oxidation Resistance:** Helps minimize oxidation, sludge and varnish formation, maintaining fluid cleanliness and efficient system operation.
- **High Film Strength:** Provides a strong and durable lubricating film, helping protect circulating pumps and other system components under demanding conditions.
- **Effective Heat Transfer:** Delivers efficient and uniform heat transfer, helping maintain stable process temperatures and consistent thermal performance.
- **Low Volatility:** Helps reduce evaporation and fluid loss at elevated temperatures, contributing to longer service life.
- **Extended Service Life:** Excellent resistance to thermal and oxidative degradation helps reduce maintenance requirements and fluid replacement frequency.

Technical Specifications

Test	Method	Typical Properties
Kinematic Viscosity (40°C), [cSt]	ASTM D445	90,0 – 110,0
Viscosity Index	ASTM D2270	Min. 100
Flash Point, °C	ASTM D92	Min.240
Pour Point, °C	ASTM D97	Max. -33
Copper Strip Corrosion (3h, 100°C)	ASTM D130	Max.1b
Maximum Bulk Temperature – Closed System, °C		340*
Maximum Film Temperature, °C		360*
Maximum Bulk Temperature – Open System, °C		190*

** Maximum operating temperatures depend on system design, circulation rate, heat flux, oil condition and system configuration. The stated values are applicable to properly designed and efficiently circulated systems. For open systems, the maximum operating temperature should be reduced due to increased exposure to atmospheric oxygen.*

Health and Safety

This product does not pose a significant health or safety risk when used appropriately. For detailed safety information, please refer to the Safety Data Sheet (SDS).

Storage & Handling

Store in a cool, dry, and well-ventilated area, away from direct sunlight and moisture. Keep containers tightly closed to prevent contamination. Dispose of contents and containers in accordance with local regulations.

REKSOIL PETROKİMYA SAN. VE TİC. A.Ş.
Adres: Birlik Organize Sanayi Bölgesi Doğu Cd. No:19-21 Tuzla – İSTANBUL - TÜRKİYE Tel: +90 216 593 35 70 Fax: +90 216 593 35 78
www.rexoil.com.tr