REX-50

Paraffinic Process Oil

REXOIL REX-50 is a highly refined, high-viscosity process oil developed for industrial applications requiring strong film strength, thermal stability, and dependable performance under demanding operating conditions.

Produced from carefully selected base stocks, the product provides excellent oxidation resistance, low volatility, and consistent lubrication characteristics at elevated temperatures. Its balanced formulation supports improved load-carrying capacity and enhanced surface protection in high-stress systems.

REXOIL REX-50 is designed for use in rubber and elastomer manufacturing processes, polymer and plastic compounding operations, and the production of adhesives, sealants, and cable-filling compounds. It is also suitable for various industrial blending applications and auxiliary processing operations where stable viscosity behavior and reliable thermal performance are required. The product contributes to uniform material dispersion, smoother processing, and improved operational efficiency in both batch and continuous production environments.

Features and Benefits

- **High Thermal Stability:** Maintains structural integrity and performance under elevated operating temperatures, reducing degradation risk.
- **Excellent Oxidation Resistance:** Minimizes sludge and deposit formation, supporting longer service life and cleaner processing systems.
- **Strong Lubricating Film Formation:** Provides enhanced surface protection and improved load-carrying capability in high-stress applications.
- **Stable Viscosity Characteristics:** Ensures consistent processing performance and reliable behavior during continuous operations.
- **Low Volatility:** Reduces evaporation losses at high temperatures, improving operational efficiency.
- **Good Compatibility:** Compatible with a wide range of polymers, elastomers, and industrial additives.
- **Improved Process Efficiency:** Supports uniform dispersion and smoother production cycles.

Technical Specifications

Test	Method	Typical Properties
Kinematic Viscosity (40°C), [cSt]	ASTM D445	280,0 – 330,0
Kinematic Viscosity (100°C), [cSt]	ASTM D445	20,5 – 24,5
Density @ 15^{0}C g/ml	ASTM D4052	0,890 - 0,908
Viscosity Index	ASTM D2270	Min. 85
Flash Point, °C	ASTM D92	Min. 260
Pour Point, °C	ASTM D97	Max. -6
Color, ASTM	ASTM D1500	Max. 5.0

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.

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