REX-46

Paraffinic Process Oil

REXOIL REX-46 is a high-quality paraffinic process oil manufactured from carefully selected, high-purity paraffinic crude oil fractions using advanced refining technology. It is specifically developed to provide stable viscosity characteristics, excellent chemical stability, and reliable performance in a wide range of industrial processing applications.

With its controlled viscosity profile and low aromatic content, **REX-46** ensures consistent behavior in formulations where process uniformity and material compatibility are essential. Its paraffinic structure provides light color, low odor, oxidation resistance, and long-term operational stability, making it suitable for sensitive manufacturing environments.

REX-46 is widely used as a process oil in rubber and elastomer compounds, plastic production, adhesives, sealants, textile processing, paints and coatings, and various chemical industry applications. Its balanced solvency characteristics make it suitable for use as a carrier fluid, plasticizer, softening agent, and diluent in numerous industrial formulations.

Features and Benefits

- **Consistent Viscosity Performance:** Precisely controlled kinematic viscosity ensures predictable flow behavior and formulation stability in demanding industrial processes.
- **High Purity Paraffinic Composition:** Produced from carefully refined paraffinic fractions, delivering uniform quality and reliable long-term performance.
- **Low Aromatic Content:** Enhances compatibility with polymers and elastomers while supporting safer handling and cleaner processing conditions.
- **Excellent Oxidation & Thermal Stability:** Maintains structural integrity under elevated temperatures and prolonged processing cycles, reducing oil degradation.
- **Light Color & Low Odor Profile:** Ideal for applications where visual clarity and odor control are critical quality parameters.
- **Optimized Solvency Characteristics:** Provides balanced interaction with rubber, plastic, and chemical formulations, improving dispersion and processing efficiency.
- **Versatile Industrial Application:** Suitable for use as a process oil, carrier fluid, plasticizer, softening agent, or diluent across multiple industrial sectors.

Technical Specifications

Test	Method	Typical Properties
Kinematic Viscosity (40°C), [cSt]	ASTM D445	41,4 – 50,6
Density @ 15^0C g/ml	ASTM D4052	0,875 - 0,885
Viscosity Index	ASTM D2270	Min. 90
Flash Point, °C	ASTM D92	Min. 220
Pour Point, °C	ASTM D97	Max. -9
Color, ASTM	ASTM D1500	Max. 2,5

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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