WHITE OIL S-96

Paraffinic Process Oil

REXOIL WHITE OIL S-96 is a highly refined, water-white paraffinic process oil produced through advanced hydro-treatment and purification processes. It is characterized by its exceptional purity, excellent color stability, low aromatic content, and outstanding oxidation resistance. The product exhibits excellent compatibility with a wide range of polymers and elastomers, making it suitable for applications requiring consistent performance and long-term stability. Thanks to its controlled viscosity and superior chemical inertness, It ensures improved processing efficiency, enhanced product uniformity, and reliable performance under varying operational conditions.

It is widely used in rubber and elastomer compounding to improve flexibility, filler dispersion, and surface finish. It is also suitable for plastic processing, including polystyrene and thermoplastic applications, where it acts as a processing aid and plasticizer. Additionally, the product is utilized in adhesive and sealant formulations to enhance workability and stability. Due to its high level of refinement and low impurity profile, WHITE OIL S-96 can also be used in applications requiring clean and colorless oils, such as textile processing, cable filling compounds, and general industrial lubrication where staining must be minimized.

Features and Benefits

- **Excellent Oxidation Stability -** Provides long service life and maintains performance under thermal and oxidative stress.
- **Low Aromatic Content -** Enhances safety profile and ensures better compatibility with sensitive formulations.
- **Superior Chemical Inertness -** Minimizes reactions with polymers and additives, ensuring consistent product quality.
- **Excellent Compatibility -** Suitable for a wide range of elastomers, plastics, and polymers, improving formulation flexibility.
- **Improved Processability -** Reduces internal friction, enabling smoother processing and increased production efficiency.
- **Non-Staining Characteristics -** Ideal for applications where product appearance must remain clean and unaffected.
- **Good Thermal Stability -** Maintains viscosity and performance across a wide temperature range.
- **Low Volatility -** Reduces evaporation losses, ensuring stable performance during processing and end-use.

Technical Specifications

Test	Method	Typical Properties
Kinematic Viscosity (40°C), [cSt]	ASTM D445	93,0 – 105,5
Kinematic Viscosity (100°C), [cSt]	ASTM D445	10,70 – 11,85
Density @ 15^0C g/ml	ASTM D4052	0,870 - 0,880
Viscosity Index	ASTM D2270	Min. 98
Flash Point, °C	ASTM D92	Min. 230
Pour Point, °C	ASTM D97	Max. -12
Color, ASTM	ASTM D1500	Max. 0.5
Sulfur Content, mg/kg	ASTM D5453	Max. 20

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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