WHITE OIL S-50

Paraffinic Process Oil

REXOIL WHITE OIL S-50 is a highly refined, water-clear paraffinic process oil produced using advanced hydroprocessing and purification technologies. With its low aromatic content, high purity, and excellent color stability, it delivers superior performance in applications requiring clean, odorless, and chemically stable characteristics.

Thanks to its inert structure and broad material compatibility, it can be safely used across a wide range of industries, particularly in plastic and polymer processing, as well as rubber and elastomer manufacturing. It is widely preferred as a plasticizer in TPE, EVA, and SEBS formulations; as a softener and processing aid in adhesives and sealants; and as a carrier oil in textile and agricultural chemicals.

With its high oxidation resistance, low volatility, and thermal stability, it also provides effective solutions in industrial lubricants and mold release applications, enhancing both process efficiency and final product quality.

Features and Benefits

- **Colorless and Odorless Structure:** Enables use without affecting the quality of the final product.
- **Excellent Oxidation Resistance:** Maintains performance over extended periods, prolonging product life.
- **Outstanding Color Stability:** Preserves clarity and appearance throughout the process.
- **Low Volatility:** Minimizes evaporation losses at elevated temperatures.
- **High Chemical Stability:** Supports formulation stability thanks to its inert, non-reactive nature.
- **Broad Material Compatibility:** Compatible with polymers, elastomers, and additive systems.
- **Good Solvency and Dispersion:** Ensures homogeneous distribution of additives, improving process efficiency.
- **Enhanced Process Performance:** Improves processability and ensures consistency in production.
- **Versatile Applications:** Offers flexibility with wide usage across various industries.

Technical Specifications

Test	Method	Typical Properties
Kinematic Viscosity (40°C), [cSt]	ASTM D445	46,7 – 57,6
Kinematic Viscosity (100°C), [cSt]	ASTM D445	6,9 – 8,2
Density @ 15^{0}C g/ml	ASTM D4052	0,845 - 0,864
Viscosity Index	ASTM D2270	Min. 105
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. 10

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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