WHITE OIL S-68

Paraffinic Process Oil

REXOIL WHITE OIL S-68 is a highly refined, colorless and odorless **paraffinic process oil**, produced through advanced hydro-treatment and hydro-finishing processes to ensure exceptional purity and stability. It is formulated with a predominantly saturated hydrocarbon structure, offering excellent resistance to oxidation, superior chemical inertness, and consistent performance under a wide range of operating conditions. Thanks to its high level of refinement and low aromatic content, **WHITE OIL S-68** provides outstanding compatibility with various materials and formulations, making it suitable for applications where cleanliness, stability, and neutrality are essential.

This product is widely used in **plastic and polymer processing**, where it functions as a process aid and plasticizer, improving flexibility, surface finish, and processing efficiency. In the **rubber industry**, it enhances compound homogeneity and contributes to improved mechanical properties. It is also suitable for use in **adhesives and sealants**, where it supports formulation stability and workability.Additionally, WHITE OIL S-68 is utilized in **textile processing**, **cable filling compounds**, and **industrial lubrication applications** that require a non-staining, highly stable oil. Its excellent thermal stability and low volatility make it ideal for operations involving elevated temperatures and long service intervals.

Features and Benefits

- **High Purity & Excellent Refinement -** Produced through advanced hydro-processing, ensuring a highly saturated structure with extremely low aromatic content for consistent and reliable performance.
- **Outstanding Oxidation Stability** - Resists degradation under thermal and oxidative stress, extending service life and maintaining product integrity during processing.
- **Excellent Chemical Inertness -** Non-reactive nature ensures compatibility with a wide range of polymers, elastomers, and chemical formulations without affecting their properties.
- **Superior Color & Odor Characteristics -** Water-clear appearance and odorless profile make it ideal for applications requiring clean and neutral base materials.
- **Enhanced Process Efficiency -** Improves flow characteristics, reduces internal friction, and facilitates smoother processing in rubber, plastic, and adhesive manufacturing.
- **Good Plasticizing Performance -** Contributes to flexibility, softness, and improved surface finish in end products, particularly in polymer and rubber compounds.

Technical Specifications

Test	Method	Typical Properties
Kinematic Viscosity (40°C), [cSt]	ASTM D445	61,2 – 74,8
Density @ 15^{0}C g/ml	ASTM D4052	0,845 - 0,865
Viscosity Index	ASTM D2270	Min. 105
Flash Point, °C	ASTM D92	Min. 230
Pour Point, °C	ASTM D97	Max. -15
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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