AREX-10

Aromatic Process Oil

REXOIL AREX-10 is a highly refined aromatic process oil developed for industrial applications requiring excellent solvency power, strong compatibility with rubber compounds, and reliable performance in demanding processing environments. Its aromatic structure provides superior interaction with elastomers and carbon black, making it particularly effective in compound formulation and blending operations.

Manufactured from carefully selected aromatic base stocks, AREX-10 offers good thermal stability, controlled volatility, and consistent processing behavior. The product enhances filler dispersion, improves compound flexibility, and contributes to optimized viscosity control during mixing and shaping operations.

AREX-10 is widely used in rubber manufacturing processes including tire production, technical rubber goods, and general elastomer compounding. It is also suitable for use in conveyor belts, hoses, molded rubber components, and various industrial applications where high solvency and strong compatibility with rubber polymers are required. The product supports uniform compound structure, improved processing efficiency, and stable performance in both batch and continuous production systems.

Features and Benefits

- **High Solvency Power:** The aromatic structure provides strong interaction with elastomers and fillers, ensuring superior compatibility and efficient compound formulation.
- **Improved Processability:** Optimizes viscosity control during mixing, extrusion, and molding operations, supporting smoother production cycles and reduced energy consumption.
- **Excellent Compatibility with Rubber Polymers:** Demonstrates strong affinity with natural and synthetic rubbers, enhancing compound homogeneity and stability.
- **Controlled Volatility:** Maintains stability during high-temperature processing, minimizing evaporation losses and performance variation.
- **Thermal & Oxidation Stability:** Resists thermal degradation under demanding manufacturing conditions, contributing to stable long-term performance.
- **Optimized Plasticizing Effect:** Improves flexibility, elongation properties, and workability of rubber compounds without compromising structural integrity.

Technical Specifications

Test	Method	Typical Properties
Kinematic Viscosity (100°C), [cSt]	ASTM D445	5,5 – 15,0
Density @ 15^0C g/ml	ASTM D4052	0,970 – 1,015
Flash Point, °C	ASTM D92	Min. 190
Pour Point, °C	ASTM D97	Max. 30
Color (10% Dilution), ASTM	ASTM D1500	Max. 7,0

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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