



TECHNICAL DATA SHEET (TDS)

Aromatic Rubber Process Oil (RPO)

Product Name: Aromatic Rubber Process Oil (RPO)

Product Type: Petroleum-Based Aromatic Process Oil

Supplier: Basekim Company

Product Description

Aromatic Rubber Process Oil (RPO) is a high-quality petroleum-derived processing oil used in the rubber industry as a plasticizer and processing aid. It improves rubber flexibility, filler dispersion, processing efficiency and overall compound performance.

Typical Properties

Property	Typical Value	Test Method
Appearance	Dark brown viscous liquid	Visual
Density @ 15°C	0.950–1.030 g/cm ³	ASTM D1298
Kinematic Viscosity @ 40°C	70–120 cSt	ASTM D445
Flash Point (COC)	≥180°C	ASTM D92
Pour Point	-5 to +10°C	ASTM D97
Aromatic Content	High	Internal
Compatibility	NR, SBR, BR, NBR, CR	—

Typical values only and not guaranteed specifications.

Key Features

- Excellent compatibility with natural and synthetic rubber
- Improves rubber processability
- Enhances carbon black and filler dispersion
- Reduces compound viscosity
- Improves extrusion and calendaring performance
- Increases flexibility and durability
- Cost-effective processing aid



Applications

- Tire manufacturing
- Rubber tubes
- Conveyor belts
- Footwear soles
- Automotive rubber parts
- Industrial rubber products
- Rubber hoses
- Seals and gaskets
- Carbon black carrier oil
- Rubber compounding

Packaging

Available in:

- 200 kg steel drums
- 1,000 L IBC tanks
- ISO tanks
- Bulk tanker supply

Storage

- Store in a cool, dry and well-ventilated area.
- Keep containers tightly closed.
- Protect from direct sunlight.
- Keep away from oxidizing agents and ignition sources.
- Avoid contamination with water and foreign materials.

Shelf Life

Recommended shelf life is **24 months** when stored in unopened original containers under recommended storage conditions.



Safety Information

Refer to the latest Material Safety Data Sheet (MSDS) before handling the product.

Disclaimer

The values presented are typical characteristics and are provided for general information only. Actual product properties may vary depending on the selected grade and production batch. Refer to the current Certificate of Analysis (COA) for guaranteed specifications.