

PETRONAS FRIGOR M 68A

High quality refrigeration oil

PETRONAS FRIGOR M 68A is a high-performance refrigeration oil for ammonia systems (R717). Formulated with high quality paraffinic and naphthenic base oils and specially selected additives to increase system efficiency, reduce fluid consumption and maintenance costs. PETRONAS FRIGOR M 68A has been engineered to reduce oil volatility, their solubility with ammonia, and offer maximum equipment protection by increased thermal and oxidative stability.

Applications

PETRONAS FRIGOR M 68A is recommended for use in:

- Refrigeration systems using ammonia (NH₃)
- Reciprocating and screw compressors

Features and Benefits

Features	Benefits
Low oil volatility	Helps reducing oil consumption and carryover that promotes sludge and deposit formation in evaporators, lowering maintenance costs.
Low oil solubility in ammonia	Limiting oil viscosity reduction for a reduced wear and higher equipment protection.
Excellent thermal and oxidative stability	Preventing sludge and deposits formation for longer oil life, minimal maintenance practices and optimal operation of the compressor, heat exchanger and expansion valves.
Proven technology	Widely used by leading compressor manufacturers for refrigeration systems, guaranteeing excellent performance in all applications for which PETRONAS FRIGOR M 68 A is suitable.

Typical Properties

Characteristics	Method	M 68A
Density @ 15°C, kg/L	ASTM D 4052	0,889
Viscosity @ 40°C, cSt	ASTM D 445	55,3
Viscosity @ 100°C, cSt	ASTM D 445	7,0
Flash Point, °C / °F	ASTM D 92	164 / 327
Pour Point, °C / °F	ASTM D 97	-42 / -43,6

All technical data is provided for reference only. SS is available upon request, including quality control limits

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Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil or water.

For further detail regarding storage, safe handling, and disposal of product, please refer to product SDS or contact us at: www.pli-petronas.com.

Important Note

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