

Product Data Sheet

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Version 1.0



PETRONAS

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energy

PETRONAS DANOL S350

High Performance Synthetic Heat Transfer Fluid

PETRONAS DANOL S350 is an alkyl aromatic liquid phase heat transfer fluid engineered to provide you with exceptional performance over an extended temperature range of -12°C to 370°C. It is ideal for a wide range of closed loop applications including Biodiesel, Gas processing, Petrochemicals, glycol dehydration, Organic Rankine Cycles (ORC) and others.

PETRONAS DANOL S350 is engineered to offer superior thermal stability than other type of typical synthetic alky-aromatic heat transfer fluid. DANOL S350 is designed with maximum film temperature of 399°C / 750°F and a maximum operating temperature up to 370°C / 700°F.

Features and Benefits

- **Savings Advantage**
DANOL S350 is fully compatible with similar Alkyl-Aromatic hydrocarbon fluids with similar chemistries. It can be used for top-up fluid or complete change out of existing system using similar fluid. Using DANOL S350 in system filled with similar base heat transfer fluid will enhance the performance of existing fluid. Its excellent thermal conductivity and low vapor pressure also assures long term saving.
- **Pumpability**
DANOL S350 also provides you with excellent low temperature start-up capabilities. This low temperature property helps to eliminate need for heat tracing required at cold weather conditions.

Typical Properties

| Description | |
|---|-------|
| Maximum Operating Temperature, °C | 370 |
| Maximum Film Temperature, °C | 399 |
| Pumpability (2,000cP), °C | -23 |
| Kinematic Viscosity @40°C, cSt | 11 |
| Kinematic Viscosity @100°C, cSt | 2.4 |
| Specific Gravity @25°C (77°F) | 0.957 |
| Average Molecular Weight | 245 |
| Decomposition (ASTM D6743) @370°C (700°F) | 3.7 |
| Vapor Pressure PSIA @260°C (500°F) | 2.5 |
| Vapor Pressure PSIA @345°C (650°F) | 16.8 |

* All technical data is provided for reference only.

Health, Safety and Environment

For further assistance on product MSDS, recommendation or technical queries, please liaise with the regional technical services engineer or contact HQ technical engineers.