

Technical Data Sheet

Therminol® ADX-10 Heat Transfer Fluid

Applications

- Liquified natural gas (Lng)
- Pipeline heating
- Polyamide
- Rubber and plastic additives
- Specialty and batch chemical production
- Specialty chemicals
- Terephthalic acid (pta)

Key Attributes

- Ease of Operation
- Excellent Low Temperature Performance

Product Description

Therminol ADX10 is a low viscosity, synthetic organic heat transfer fluid particularly recommended for indirect liquid phase process heating at medium temperatures.

Performance Benefits

- **Ease of Operation**—easy start-up and shutdown at low temperatures due to excellent low temperature pumpability down to temperatures of -50°C.
- **Excellent Low Temperature Properties**—Low pour point (-80°C) and excellent low-temperature viscosity, eliminate the need for steam or other forms of heat tracing.

Typical Properties

Property	Test Method	Typical Value, Units
General		
Appearance		Clear, pale yellow liquid
Composition		Synthetic aromatic hydrocarbon mixture
Maximum bulk temperature		250 °C (480 °F)
Maximum film temperature		280 °C (535 °F)
Normal Boiling Point		293 °C (559 °F)
Pumpability		
@300 mm ² /s (cSt)		-41 °C (-41 °F)
@ 2000 mm ² /s (cSt)		-56 °C (-69 °F)
Autoignition Temperature	DIN 51794	327 °C (621 °F)
Pour Point	ISO 3016	-80 °C (-112 °F)
Viscosity, Kinematic		
@ 100°C	ASTM D 445	1.36 cSt, mm ² /s
@ 40°C	ASTM D 445	4.04 cSt, mm ² /s
Acidity	ASTM D 664	<0.2 mg KOH/g
Molecular Weight (Average)		236
Moisture Content, maximum	ASTM E-203	150 ppm
Dielectric Constant		
@ 23°C	ASTM D-924	2.26

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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