Mobiltherm™ 43

Mobil Industrial , Bermuda

Premium Heat Transfer Oil

Product Description

Mobiltherm 43 is a formulated paraffinic type fluid designed for closed heat transfer systems operating at higher bulk temperatures including demanding open systems. It has a high specific heat and thermal conductivity to provide more rapid heating and greater flexibility in a system.

Features and Benefits

When used as recommended, Mobiltherm 43 will provide the following benefits and advantages:

- Resistant to thermal cracking - performs well up to 315.5C(600F)
- Excellent Oxidation Stability - Minimizes sludge and acid formation, extends product life
- Low Temperature Performance - Permits easy cold weather starting in temperatures down to -6.7C(20F)
- High Heating Efficiency - High specific heat and thermal conductivity help keep fuel costs down
- Low Volatility - Reduces potential for pump cavitation

Applications

Mobiltherm 43 is recommended for the following applications:

- Asphalt and cold tar storage, transport and compounding
- Dyes, chemicals and pharmaceuticals manufacture
- Lumber drying
- Paper and paperboard production
- Petroleum products processing
- Plywood laminating
- Rubber and plastics molding, extrusion, curing, and calendering
- Sheet metal laminating
- Solar energy heat transfer and storage
- Textiles (hot calendering)
- Tiles, linoleum, and roofing products
- Varnish and resins manufacture

Properties and Specifications

Property	
ASTM Color, ASTM D1500	0.5
Autoignition Temperature, °C, ASTM E659	354(670)
Flash Point, Cleveland Open Cup, °C, ASTM D92	198(390)
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	5.1

Property	
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	30.6
Pour Point, °C, ASTM D97	-12(10)
Density @ 15 C, kg/l, ASTM D1298	0.8772

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.aspx

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