Texatherm®

Proven performance industrial heat transfer oil

Product Data Sheet

Product description

Texatherm is a proven performance highly refined and thermally stable petroleum-based industrial heat transfer oil. It is formulated for use in closed and open heat transfer systems, with forced circulation.

Customer benefits

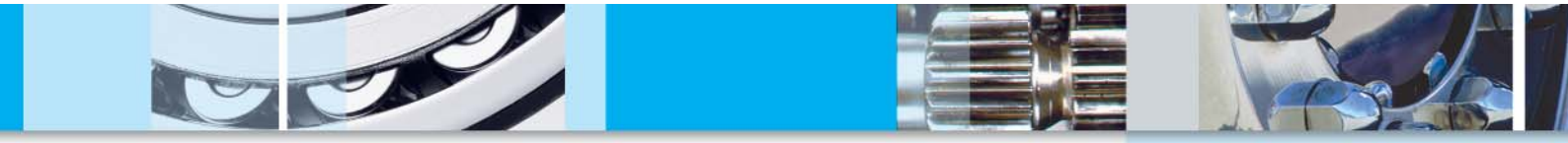
- Proven energy efficiency, circulation and heat transfer performance
- Thermal stability protects against coke deposits and sludge, increasing oil service life and system uptime
- Good low temperature fluidity ensures rapid circulation at system start-up
- Low vapour pressure at higher temperatures minimises evaporation, vapour lock and pump cavitation
- Lower system pressures eliminate expensive high pressure system piping and heat exchangers

Applications

- May be used in heat transfer systems in industrial drying applications, rubber and plastics manufacture, heating of asphalt and fuel oil tanks, food processing, cooking and canning, factory heating, manufacture of soap, resin, glue, dyes, paints, pharmaceuticals and grease, wood laminate, fibre board and veneer manufacture, agricultural heating and drying, and chemical, petroleum and wax processing
- Open systems operating at temperatures up to 200°C
- Closed systems (sealed with cold oil or inert gas) operating at bulk oil temperatures up to 320°C
- For long, trouble-free service in closed systems, the maximum film temperature on heater surfaces should be limited to 340°C
- Systems must be of forced circulation type.

Product highlights:

- Proven efficiency and heat transfer performance
- Resists coke and sludge formation
- Cost effective low pressure operation



Typical test data

TEXATHERM TEST	TEST METHODS	RESULTS		
Viscosity Grade		46		
Product Code		520021		
Kinematic viscosity, 40 °C, mm^2/s	ASTM D445	44.53		
Kinematic viscosity, 100 °C, mm^2/s	ASTM D445	6.810		
Viscosity Index	ASTM D2270	108		
Flash Point COC, °C	ASTM D92	230		
Pour Point, °C	ASTM D97	-15		
Properties at 100 °C and above		100 °C	200 °C	300 °C
Density, kg/l	ASTM D 1298	0.83	0.77	0.70
Dynamic viscosity, mPa.s	ASTM D445	5.40	1.20	0.52
Specific heat, kJ/kg.K	DSC	2.12	2.50	2.87
Thermal Conductivity, W/m.K	-	0.126	0.119	0.112
Vapour Pressure, mmHg	Dynamic (Ar)	-	2.0	100

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

For more information, go to **www.chevronlubricants.com**