Dynalene HT

DYNALENE
Tomorrow's Solutions Flow Through Us

High Temperature Heat Transfer Fluid

Process Applications

- High-temperature applications
- Pharmaceutical
- Process cooling & heating
- Petroleum industry
- Metal, plastic, textile & rubber manufacturing

Dynalene HT Overview

Dynalene HT is a high temperature heat transfer fluid that exhibits one of the highest boiling, flash, and fire points compared to other commercially available heat transfer fluids. Additionally it exhibits low vapor pressures and is nearly non-toxic and odorless, allowing for safe use of the product in non-pressurized systems.

Dynalene HT is noncorrosive and very stable where temperatures exceed the thermal stress limitations of most competitive fluids.

Benefits of Choosing Dynalene HT

- High boiling, flash, and fire point
- Low vapor pressure
- Low toxicity
- Excellent thermal stability & thermo-physical properties
- Low odor
- Available throughout North America
- Cost-effective
- Total fluid care
- Proven performance

Price, Quantity, & Availability

Dynalene HT is offered in 1, 5, 30, 55, and 265 gallon containers as well as bulk truck loads. Pricing depends on quantity, however, Dynalene, Inc. will work with you to try and fit your budget.

Dynalene's Fluid Care Program

Coupling our Dynalene fluids with a fluid care program can extend the life of your systems significantly. It offers yearly testing of the heat transfer fluid in your system and tracks the changes in the fluid year to year so adjustments can be made to keep your systems working at its best.

Recommended Temperature Ranges:

Closed Systems:
20°C (68°F) to 350°C (662°F)

Open Systems:
20°C (68°F) to 177°C (350°F)

Properties of Dynalene HT

A comprehensive list of all thermo-physical properties of Dynalene HT can be found on page 2. For health and safety information or to request a Material Safety Data Sheet, contact our Dynalene sales representatives.

Composition:	Synthetic organic hydrocarbon
Appearance:	Clear, light yellow
Odor:	Low odor
Pour Point:	<-34°C (<-30°F)
Initial Boiling Point:	385°C (725°F)
Flash Point (Closed):	200°C (392°F)
Autoignition Temp:	450°C (842°F)
Max Film Temp:	380°C (716°F)
Min Pumpability Limit:	-5°C (23°F)

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Dynalene, Inc. is an ISO 9001 certified company

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US Units

Temperature °F	Viscosity cP	Thermal Cond. BTU/hr·ft·°F	Specific Heat BTU/lb·°F	Density lb/ft^3
68	49.1	0.0768	0.370	65.0
80	32.2	0.0763	0.376	64.8
100	18.5	0.0755	0.386	64.3
120	11.9	0.0746	0.396	63.8
140	8.30	0.0737	0.406	63.3
160	6.10	0.0729	0.416	62.8
180	4.70	0.0720	0.426	62.3
200	3.70	0.0711	0.435	61.8
220	3.00	0.0703	0.445	61.3
240	2.50	0.0694	0.455	60.8
260	2.10	0.0686	0.465	60.3
280	1.80	0.0677	0.475	59.8
300	1.50	0.0668	0.485	59.3
320	1.30	0.0660	0.495	58.8
340	1.20	0.0651	0.505	58.3
360	1.10	0.0643	0.515	57.8
380	0.90	0.0634	0.525	57.3
400	0.83	0.0625	0.534	56.8
420	0.75	0.0617	0.544	56.3
440	0.68	0.0608	0.554	55.8
460	0.62	0.0599	0.564	55.3
480	0.57	0.0591	0.574	54.9
500	0.52	0.0582	0.584	54.4
520	0.48	0.0574	0.594	53.9
540	0.44	0.0565	0.604	53.4
560	0.41	0.0556	0.614	52.9
580	0.38	0.0548	0.623	52.4
600	0.36	0.0539	0.633	51.9
620	0.33	0.0531	0.643	51.4
640	0.31	0.0522	0.653	50.9
660	0.29	0.0513	0.663	50.4
662	0.29	0.0512	0.664	50.4

SI Units

Temperature °C	Viscosity mPa·s	Thermal Cond. W/m·K	Specific Heat kJ/kg·K	Density kg/m^3
20	49.0	0.1306	1.549	1044
40	16.8	0.1280	1.624	1030
60	8.30	0.1253	1.698	1016
80	4.90	0.1227	1.773	1001
100	3.30	0.1201	1.847	987
120	2.30	0.1174	1.922	973
140	1.70	0.1148	1.996	958
160	1.30	0.1122	2.071	944
180	1.10	0.1095	2.145	930
200	0.87	0.1069	2.220	915
220	0.72	0.1043	2.294	901
240	0.61	0.1016	2.369	887
260	0.52	0.0990	2.443	873
280	0.45	0.0963	2.518	858
300	0.39	0.0937	2.592	844
320	0.35	0.0911	2.667	830
340	0.31	0.0884	2.742	815
350	0.29	0.0871	2.779	808