

Dynalene HT

High Temperature Heat Transfer Fluid Information

Dynalene[®] **HT**[®] is a high temperature heat transfer fluid that provides all the physical and environmental qualities desired when selecting a heat transfer fluid. **Dynalene HT**[®] exhibits high boiling, flash and fire points and is non-corrosive.

The highly stable, **Dynalene HT**[®] is the ideal choice for dependable performance where temperatures exceed the thermal stress limitations of most other fluids.



Typical Properties of Dynalene HT[®]

Composition: Synthetic Organic Hydrocarbon
Appearance and Color: Clear, Colorless to light yellow
Odor: Low Odor, Non-noxious

Property	SI units	US units
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
Pour Point:	< -34°C	< -30°F

Recommended Temperature Ranges:

Closed System: 20°C(68°F) to 350°C(662°F)
Open System: 20°C(68°F) to 177°C(350°F)

Dynalene HT[®] Industrial Applications:

- Chemicals
- Pharmaceuticals
- Petroleum
- Plastics
- Rubber
- Metals
- Textiles
- Food
- Cement
- Energy
- Open Baths

Dynalene HT[®] Benefits:

- High Boiling Point/Flash Point/Fire Point
- Low Vapor Pressure
- Low Odor/Toxicity
- Low Pour Point
- Good Thermal Stability
- Good Heat Transport/Properties
- Non-corrosive to Materials of Construction
- Low Hazard Material
- Economic Over the Use Life
- No or Minimal Regulatory Constraints

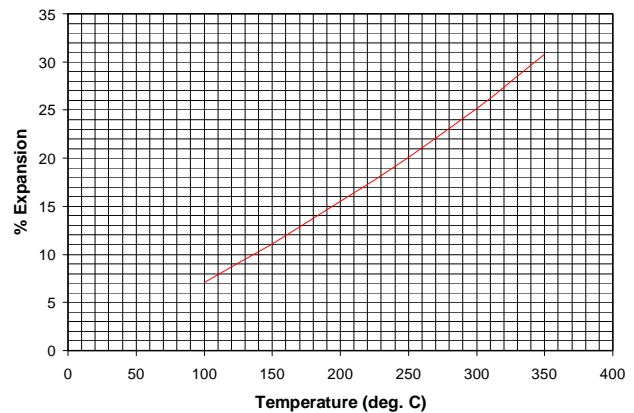
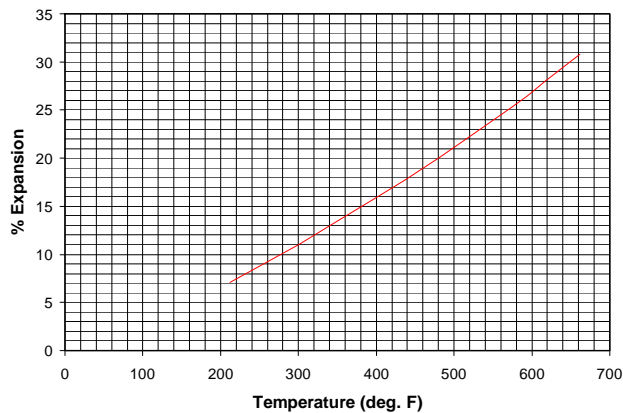
For more technical, health and safety information or to request a Material Safety Data Sheet (MSDS), contact our Dynalene sales representative at:
Phone: 610-262-9686 Fax: 610-262-7437 E-mail: info@dynalene.com

Dynalene HT

Temperature °F	Viscosity cP	Thermal Conductivity 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	8.3	0.0737	0.406	63.3
160	6.1	0.0729	0.416	62.8
180	4.7	0.0720	0.426	62.3
200	3.7	0.0711	0.435	61.8
220	3.0	0.0703	0.445	61.3
240	2.5	0.0694	0.455	60.8
260	2.1	0.0686	0.465	60.3
280	1.8	0.0677	0.475	59.8
300	1.5	0.0668	0.485	59.3
320	1.3	0.0660	0.495	58.8
340	1.2	0.0651	0.505	58.3
360	1.1	0.0643	0.515	57.8
380	0.9	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

Temperature °C	Viscosity mPa•s	Thermal Con- ductivity 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	8.3	0.1253	1.698	1016
80	4.9	0.1227	1.773	1001
100	3.3	0.1201	1.847	987
120	2.3	0.1174	1.922	973
140	1.7	0.1148	1.996	958
160	1.3	0.1122	2.071	944
180	1.1	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

Volumetric Expansion of Dynalene HT[®]



For further information, contact a Dynalene sales representative.

Phone: +1- 610 - 262 - 9686

Fax: +1- 610 - 262 - 7437

E-mail: info@dynalene.com

www.dynalene.com