

# Dynalene LO-230

## High Flash/Nontoxic Low Temperature Fluid Information

Dynalene LO-230® heat transfer fluid is designed to satisfy the most demanding customer when safety and performance are the requirements. Dynalene LO-230® is a non-toxic, odorless fluid. For use in a wide range of applications, including open temperature baths or closed loop industrial systems. Consider using Dynalene LO-230® in your next system.

The Dynalene "LO" family of fluids, including Dynalene HF-LO®, Dynalene LO-170® and Dynalene LO-230®, all consistently provide a high-level of user friendly performance to meet expectations of the customer.



### Typical Properties of Dynalene LO-230®

**Composition:** Aliphatic Hydrocarbon Blend  
**Appearance and Color:** Transparent, clear

Property	SI units	US units
Freezing Point:	<-40°	<-40°F
Boiling Point:	>273°C	>523°F
Flash Point (closed cup):	>110°C	>230°F
Viscosity <sup>1</sup> :	13.8 mPa s	17.0 cP
Specific Gravity <sup>1</sup> :		0.82
Specific Heat <sup>1</sup> :	2.01 kJ/kg K	0.48 Btu/(lb °F)
Thermal Conductivity <sup>1</sup> :	0.147 W/m K	0.085 Btu/(ft hr °F)
	<sup>1</sup> : @ 20°C (68°F)	

### Recommended Temperature Ranges:

**Open System:** 0°C (32°F) to 110°C (230°F)  
**Closed System:** 0°C (32°F) to 205°C (400°F)

### Polymer and Gasket Compatibility

- ◆ Acetal
- ◆ Aramid Fiber
- ◆ Chemraz (FFKM)
- ◆ Epoxy
- ◆ Fluorocarbon (FILM)
- ◆ Fluoroelastomer
- ◆ Glass Fiber
- ◆ Gylon Style 3500, 3504, & 3510
- ◆ Kalrez
- ◆ Kel-F (CTFE)
- ◆ Peek
- ◆ PTFE
- ◆ Teflon (All)
- ◆ Teflon Encapsulated Silicone
- ◆ Teflon Encapsulated Viton
- ◆ Teflon Impregnated Fiberglass
- ◆ Viton
- ◆ Resin Impregnated Carbon Graphite

### Metal Compatibility

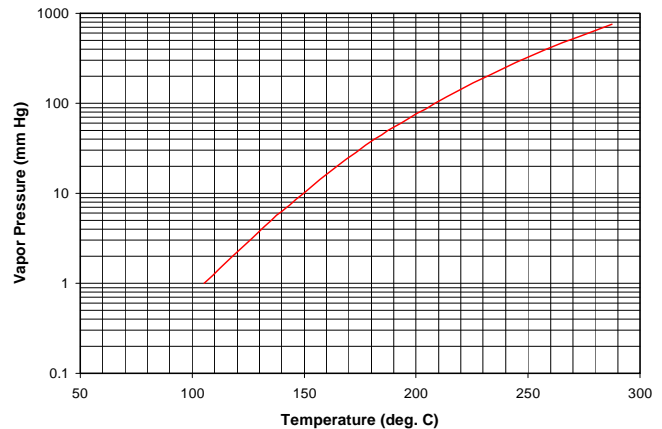
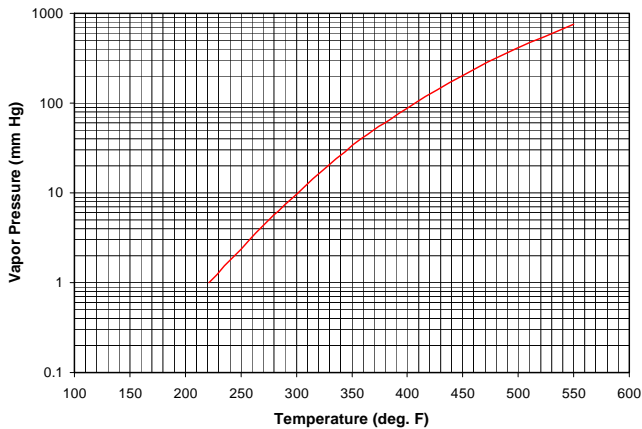
- ◆ Aluminum
- ◆ Brass
- ◆ Bronze (All)
- ◆ Carbon Steel
- ◆ Cast Steel
- ◆ Copper
- ◆ Copper Nickel
- ◆ Monel
- ◆ Nickel
- ◆ Stainless Steel (All)
- ◆ Stainless Steel Clad
- ◆ Tantalum
- ◆ Titanium

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](mailto:info@dynalene.com)

# Dynalene LO-230

Temperature °F	Viscosity cP	Thermal Conductivity Btu/hr•ft•°F	Specific Heat Btu/lb•°F	Density lb/ft <sup>3</sup>	Temperature °C	Viscosity mPa•s	Thermal Conductivity W/m•K	Specific Heat kJ/kg•K	Density kg/m <sup>3</sup>
32	34.2	0.0888	0.462	50.8	0	34.1	0.1510	1.934	815
40	26.9	0.0883	0.466	50.6	10	20.7	0.1490	1.972	808
60	16.3	0.0870	0.476	50.1	20	13.8	0.1470	2.010	801
80	10.7	0.0857	0.486	49.6	30	9.4	0.1450	2.048	794
100	7.1	0.0844	0.496	49.1	40	6.6	0.1430	2.086	787
120	5.1	0.0831	0.507	48.6	50	5.0	0.1410	2.124	780
140	3.9	0.0818	0.517	48.2	60	3.9	0.1390	2.162	773
160	3.0	0.0805	0.527	47.7	70	3.1	0.1370	2.200	766
180	2.4	0.0792	0.537	47.2	80	2.5	0.1350	2.238	759
200	2.0	0.0778	0.547	46.7	90	2.1	0.1330	2.276	752
220	1.7	0.0765	0.557	46.2	100	1.8	0.1310	2.314	745
240	1.4	0.0752	0.567	45.7	110	1.5	0.1290	2.352	738
260	1.2	0.0739	0.577	45.3	120	1.3	0.1270	2.390	731
270	1.1	0.0733	0.582	45.0	130	1.2	0.1250	2.428	724
280	1.0	0.0726	0.587	44.8	140	1.0	0.1230	2.466	717
290	0.99	0.0720	0.592	44.5	150	0.92	0.1210	2.504	710
300	0.93	0.0713	0.597	44.3	160	0.83	0.1190	2.542	703
320	0.83	0.0700	0.607	43.8	170	0.75	0.1170	2.580	696
340	0.74	0.0687	0.618	43.3	180	0.68	0.1150	2.618	689
360	0.66	0.0674	0.628	42.8	190	0.61	0.1130	2.656	682
380	0.60	0.0661	0.638	42.3	200	0.56	0.1110	2.694	675
400	0.54	0.0648	0.648	41.9	205	0.54	0.1100	2.713	672

## Vapor Pressure of Dynalene LO-230



For more technical, health and safety information or to request a Material Safety Data Sheet (MSDS), contact our Dynalene sales representative at:

Ph: 610-262-9686

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e-mail: [info@dynalene.com](mailto:info@dynalene.com)