



# MANTFROST LH-30

— High Performance Modified Synthetic Oil



*Heat Transfer Specialist*

## Typical Property

Appearance	Transparent	
<b>Best operating temperature (gas phase)/°C</b>	215 ~ 300	
<b>Best operating temperature (liquid phase)/°C</b>	-55 ~ 300	
<b>Flash Point (Open Cup) /°C</b>	110	
<b>Density (@20°C) /kg/m<sup>3</sup></b>	740~770	
<b>Pour Point/°C</b>	<-85	
<b>Sulfur Content/ppm</b>	<10	
<b>Chlorine Content/ppm</b>	<10	
<b>Moisture/ppm</b>	<50	
<b>Initial Boiling Point/°C</b>	230	
<b>Final Boiling Point/°C</b>	270	
<b>Viscosity/mm<sup>2</sup>/s</b>	@40°C	2.16
	@0°C	5.02
	@-60°C	167.17
	@-71°C	300

The above experimental data are from standard samples, and the data of different batches of products will be slightly different. Please consult our technical support for more information.

## Physical Characteristics

Temperature		Vapor Pressure	Specific Heat	Thermal Conductivity	Viscosity	Enthalpy	Density
°F	°C	kPa	kJ/(kg·K)	W/m·K	mm <sup>2</sup> /s	kJ/kg	kg / m <sup>3</sup>
-112	-80		1.72	0.1235	3393.38	-114.0	831
-94	-70		1.75	0.1221	611.39	-96.5	824
-76	-60		1.79	0.1207	167.17	-78.4	817
-58	-50		1.82	0.1191	61.70	-59.2	810
-40	-40		1.86	0.1180	30.46	-41.5	804
-22	-30		1.90	0.1166	16.82	-22.6	797
-4	-20	0.002	1.94	0.1152	10.71	-3.77	789
14	-10	0.007	1.98	0.1137	7.00	15.2	782
32	0	0.014	2.01	0.1120	5.02	35.5	776
68	20	0.080	2.09	0.1088	3.11	74.8	759
104	40	0.211	2.17	0.1061	2.16	118.2	747
140	60	0.832	2.25	0.1027	1.62	162.2	732
176	80	2.52	2.33	0.0996	1.24	208.7	717
212	100	6.01	2.42	0.0960	0.973	256.1	701
248	120	10.7	2.49	0.0917	0.823	300.3	686
284	140	22.6	2.58	0.0886	0.715	350.1	669
320	160	41.1	2.67	0.0846	0.585	408.7	652
356	180	72.4	2.75	0.0804	0.524	462.3	634
392	200	103	2.84	0.0762	0.477	517.4	614

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