

List of included fluids

Heat Transfer Fluids

Properties and Comparisons

Version 1.0.0

Function type		Fluid name	Physical condition	Vapor pressure	Density	Specific heat capacity	Specific enthalpy	Kinematic viscosity	Dynamic viscosity	Thermal conductivity	Temperature conductivity	Prandtl number	Volume expansion coefficient	Vol. specific heat capacity
++	+													
++	Basic function from manufacturer or generation from data table	1	ARAL Farolin T	liquid	-	++	++	+	++	+	++	+	+	+
		2	ARAL Farolin U	liquid	-	++	++	+	++	+	++	+	+	+
		3	AVIA Thermofluid A	liquid	++	++	++	+	++	+	++	+	+	+
		4	AVIA Thermofluid B	liquid	++	++	++	+	++	+	++	+	+	+
		5	AVIATICON Finkotherm M-300	liquid	-	++	++	+	++	+	++	+	+	+
		6	AVIATICON Finkotherm S-380	liquid	++	++	++	+	++	+	++	+	+	+
		7	BP Transcal LT	liquid	++	++	++	+	++	+	++	+	+	+
		8	BP Transcal N	liquid	++	++	++	+	++	+	++	+	+	+
		9	CASTROL Perfecto HT2	liquid	++	++	++	+	++	+	++	+	+	+
		10	CASTROL Perfecto HT5	liquid	++	++	++	+	++	+	++	+	+	+
		11	CASTROL Perfecto HTS 0801	liquid	++	++	++	+	++	+	++	+	+	+
		12	DOW Dowtherm A (liq)	liquid	++	++	++	+	+	++	++	+	+	+
		13	DOW Dowtherm G	liquid	++	++	++	+	+	++	++	+	+	+
		14	DOW Dowtherm J (liq)	liquid	++	++	++	+	+	++	++	+	+	+
		15	DOW Dowtherm MX	liquid	++	++	++	+	+	++	++	+	+	+
		16	DOW Dowtherm Q	liquid	++	++	++	+	+	++	++	+	+	+
		17	DOW Dowtherm RP	liquid	++	++	++	+	+	++	++	+	+	+
		18	DOW Dowtherm T	liquid	++	++	++	+	+	++	++	+	+	+
		19	DOW Syltherm 800	liquid	++	++	++	+	+	++	++	+	+	+
		20	DOW Syltherm HF	liquid	++	++	++	+	+	++	++	+	+	+
		21	DOW Syltherm XLT	liquid	++	++	++	+	+	++	++	+	+	+
		22	EASTMAN Marlotherm FG	liquid	++	++	++	+	++	+	++	+	+	+
		23	EASTMAN Marlotherm LH	liquid	++	++	++	+	++	+	++	+	+	+
		24	EASTMAN Marlotherm N	liquid	++	++	++	+	++	+	++	+	+	+
		25	EASTMAN Marlotherm SH	liquid	++	++	++	+	++	+	++	+	+	+
		26	EASTMAN Marlotherm XC	liquid	++	++	++	+	++	+	++	+	+	+
		27	EASTMAN Marlotherm XD	liquid	++	++	++	+	++	+	++	+	+	+
		28	EASTMAN Therminol 54	liquid	++	++	++	+	++	+	++	+	+	+
		29	EASTMAN Therminol 55 SP	liquid	++	++	++	+	++	+	++	+	+	+
		30	EASTMAN Therminol 58	liquid	++	++	++	+	++	+	++	+	+	+
		31	EASTMAN Therminol 59	liquid	++	++	++	+	++	+	++	+	+	+
		32	EASTMAN Therminol 62	liquid	++	++	++	+	++	+	++	+	+	+
		33	EASTMAN Therminol 66	liquid	++	++	++	+	++	+	++	+	+	+
		34	EASTMAN Therminol 68	liquid	++	++	++	+	++	+	++	+	+	+
		35	EASTMAN Therminol 72	liquid	++	++	++	+	++	+	++	+	+	+
		36	EASTMAN Therminol 75	liquid	++	++	++	+	++	+	++	+	+	+
		37	EASTMAN Therminol ADX-10	liquid	++	++	++	+	++	+	++	+	+	+
		38	EASTMAN Therminol D-12	liquid	++	++	++	+	++	+	++	+	+	+
		39	EASTMAN Therminol LT (liq)	liquid	++	++	++	+	++	+	++	+	+	+
		40	EASTMAN Therminol LT (vap)	vapor	-	++	++	++	+	++	++	+	-	+
		41	EASTMAN Therminol RD	liquid	++	++	++	+	++	+	++	+	+	+
		42	EASTMAN Therminol VLT	liquid	++	++	++	+	++	+	++	+	+	+
		43	EASTMAN Therminol VP-1 (liq)	liquid	++	++	++	+	++	+	++	+	+	+
		44	EASTMAN Therminol VP-1 (vap)	vapor	-	++	++	++	+	++	++	+	-	+

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++	+													
++	Basic function from manufacturer or generation from data table													
+	Combined function, put together from basic functions													
-	No function or data available													
45	EASTMAN Therminol VP-3 (liq)	liquid	++	++	++	+	++	+	++	+	+	+	+	+
46	EASTMAN Therminol VP-3 (vap)	vapor	-	++	++	++	+	++	++	++	+	+	-	+
47	EASTMAN Therminol XP	liquid	++	++	++	+	++	+	++	+	+	+	+	+
48	ESSO Thermal Oil S	liquid	++	++	++	+	++	+	++	+	+	+	+	+
49	EXXON MOBIL Mobiltherm SHC Cibus 32 HT	liquid	++	++	++	+	++	+	++	+	+	+	+	+
50	EXXON MOBIL Mobiltherm 594	liquid	++	++	++	+	++	+	++	+	+	+	+	+
51	EXXON MOBIL Mobiltherm 603	liquid	-	++	++	+	++	+	++	+	+	+	+	+
52	EXXON MOBIL Mobiltherm 605	liquid	-	++	++	+	++	+	++	+	+	+	+	+
53	EXXON MOBIL Mobiltherm 610	liquid	-	++	++	+	++	+	++	+	+	+	+	+
54	EXXON MOBIL Mobiltherm 611	liquid	-	++	++	+	++	+	++	+	+	+	+	+
55	FRAGOL FRAGOLTHERM 550	liquid	++	++	++	+	++	+	++	+	+	+	+	+
56	FRAGOL FRAGOLTHERM 590	liquid	++	++	++	+	++	+	++	+	+	+	+	+
57	FRAGOL FRAGOLTHERM 620	liquid	++	++	++	+	++	+	++	+	+	+	+	+
58	FRAGOL FRAGOLTHERM 660	liquid	++	++	++	+	++	+	++	+	+	+	+	+
59	FRAGOL FRAGOLTHERM DPO (liq)	liquid	++	++	++	++	++	+	++	+	+	+	+	+
60	FRAGOL FRAGOLTHERM DPO (vap)	vapor	-	++	++	++	+	++	++	++	+	+	-	+
61	FRAGOL FRAGOLTHERM F-12	liquid	++	++	++	+	++	+	++	+	+	+	+	+
62	FRAGOL FRAGOLTHERM F-ADX10	liquid	++	++	++	+	++	+	++	+	+	+	+	+
63	FRAGOL FRAGOLTHERM FG-35	liquid	++	++	++	+	++	+	++	+	+	+	+	+
64	FRAGOL FRAGOLTHERM FG-8	liquid	++	++	++	+	++	+	++	+	+	+	+	+
65	FRAGOL FRAGOLTHERM F-LT (liq)	liquid	++	++	++	++	++	+	++	+	+	+	+	+
66	FRAGOL FRAGOLTHERM F-LT (vap)	vapor	-	++	++	-	+	++	++	++	+	+	-	+
67	FRAGOL FRAGOLTHERM HT	liquid	++	++	++	+	++	+	++	+	+	+	+	+
68	FRAGOL FRAGOLTHERM Q-32-N	liquid	++	++	++	+	++	+	++	+	+	+	+	+
69	FRAGOL FRAGOLTHERM Q-7	liquid	++	++	++	+	++	+	++	+	+	+	+	+
70	FRAGOL FRAGOLTHERM Q-HTF	liquid	++	++	++	+	++	+	++	+	+	+	+	+
71	FRAGOL FRAGOLTHERM S-15-A	liquid	++	++	++	+	++	+	++	+	+	+	+	+
72	FRAGOL FRAGOLTHERM S-20-A	liquid	++	++	++	+	++	+	++	+	+	+	+	+
73	FRAGOL FRAGOLTHERM S-250	liquid	++	++	++	+	++	+	++	+	+	+	+	+
74	FRAGOL FRAGOLTHERM W-ECO	liquid	-	++	++	+	++	+	++	+	+	+	+	+
75	FRAGOL FRAGOLTHERM W-KFA	liquid	-	++	++	+	-	-	++	+	-	+	+	+
76	FRAGOL FRAGOLTHERM W-PGA	liquid	-	++	++	+	++	+	++	+	+	+	+	+
77	FRAGOL FRAGOLTHERM W-PGF	liquid	-	++	++	+	++	+	++	+	+	+	+	+
78	FRAGOL FRAGOLTHERM X-40	liquid	-	++	++	+	++	+	++	+	+	+	+	+
79	FRAGOL FRAGOLTHERM X-80	liquid	-	++	++	+	++	+	++	+	+	+	+	+
80	FRAGOL FRAGOLTHERM X-75-A	liquid	++	++	++	+	++	+	++	+	+	+	+	+
81	FRAGOL FRAGOLTHERM X-P100	liquid	-	++	++	++	++	++	++	++	+	+	+	+
82	FRAGOL FRAGOLTHERM X-160-A	liquid	-	++	++	+	++	+	++	+	+	+	+	+
83	FRAGOL FRAGOLTHERM X-400-A	liquid	-	++	++	+	++	+	++	+	+	+	+	+
84	FRAGOL FRAGOLTHERM X-T9-A	liquid	++	++	++	+	++	+	++	+	+	+	+	+
85	FRAGOL FRAGOLTHERM X-T12	liquid	++	++	++	+	++	+	++	+	+	+	+	+
86	FRAGOL FRAGOLTHERM X-T15	liquid	++	++	++	+	++	+	++	+	+	+	+	+
87	FRAGOL FRAGOLTHERM X-T20	liquid	-	++	++	+	++	+	++	+	+	+	+	+

Function type		Physical condition	Vapor pressure	Density	Specific heat capacity	Specific enthalpy	Kinematic viscosity	Dynamic viscosity	Thermal conductivity	Temperature conductivity	Prandtl number	Volume expansion coefficient	Vol. specific heat capacity
++	+												
Fluid name													
88	FUCHS RENOLIN THERM 250	liquid	-	++	++	+	++	+	++	+	+	+	+
89	FUCHS RENOLIN THERM 320	liquid	-	++	++	+	++	+	++	+	+	+	+
90	FUCHS RENOLIN THERM 330 S	liquid	++	++	++	+	++	+	++	+	+	+	+
91	FUCHS RENOLIN THERM 380 S	liquid	++	++	++	+	++	+	++	+	+	+	+
92	GLOBAL HTF Globaltherm FG	liquid	++	++	++	+	++	+	++	+	+	+	+
93	GLOBAL HTF Globaltherm HF	liquid	++	++	++	+	++	+	++	+	+	+	+
94	GLOBAL HTF Globaltherm J	liquid	-	++	++	+	++	+	++	+	+	+	+
95	GLOBAL HTF Globaltherm LT Plus	liquid	++	++	++	+	++	+	++	+	+	+	+
96	GLOBAL HTF Globaltherm M	liquid	-	++	++	+	++	+	++	+	+	+	+
97	GLOBAL HTF Globaltherm MXT	liquid	-	++	++	+	++	+	++	+	+	+	+
98	GLOBAL HTF Globaltherm NF	liquid	++	++	++	+	++	+	++	+	+	+	+
99	GLOBAL HTF Globaltherm Omnitech	liquid	-	++	++	+	++	+	++	+	+	+	+
100	GLOBAL HTF Globaltherm RP	liquid	-	++	++	+	+	++	++	+	+	+	+
101	GLOBAL HTF Globaltherm S	liquid	++	++	++	+	++	+	++	+	+	+	+
102	GLOBAL HTF Globaltherm Syntec	liquid	-	++	++	+	++	+	++	+	+	+	+
103	LANXESS Diphyl	liquid	++	++	++	+	++	+	++	+	+	+	+
104	LANXESS Diphyl DT	liquid	++	++	++	+	++	+	++	+	+	+	+
105	LANXESS Diphyl KT	liquid	++	++	++	+	++	+	++	+	+	+	+
106	LANXESS Diphyl THT	liquid	++	++	++	+	++	+	++	+	+	+	+
107	MINERA Thermal Oil 36	liquid	++	++	++	+	++	+	++	+	+	+	+
108	SHELL Heat Transfer Oil S2	liquid	++	++	++	+	++	+	++	+	+	+	+