

Armcoltherm[®] 240

Temperature Range: -5°C ~ 320°C

It is a gas/liquid two-phase synthetic heat transfer oil with excellent low temperature performance, suitable for excellent low temperature performance at -5~320 °C and can be used as a low-temperature refrigerant. Because it has the characteristics of boiling at 244°C under normal pressure, it can also be used as gas-phase heat transfer oil in the temperature range of 244°C~320°C.

Temperature		Liquid Density		Specific Heat		Thermal conductivity	Dynamic viscosity	vapor pressure		Latent heat of vaporization	
°F	°C	kg/m ³	kcal/kg·°C	kJ/kg·K	Kcal/m·hr·°C	W/m·k	mPaS	mmHg	MPa	Kcal/Kg	KJ/Kg
32	0	1006	0.371	1.55	0.101	0.117	4.80	-	-	95.0	398
68	20	991	0.385	1.61	0.100	0.116	2.70	-	-	93.2	390
122	50	969	0.408	1.71	0.099	0.115	1.50	-	-	90.6	379
140	80	947	0.430	1.80	0.097	0.113	1.00	2.0	-	87.9	368
212	100	933	0.445	1.86	0.096	0.112	0.81	5.0	0.001	86.2	361
248	120	918	0.460	1.92	0.095	0.110	0.66	14.0	0.002	84.4	353
284	140	903	0.475	1.99	0.094	0.109	0.56	32.0	0.004	82.7	346
320	160	888	0.490	2.05	0.093	0.108	0.48	69.0	0.009	80.9	339
356	180	873	0.504	2.11	0.091	0.106	0.41	135	0.018	79.1	331
392	200	858	0.519	2.17	0.090	0.105	0.35	247	0.033	77.3	324
428	220	842	0.534	2.23	0.089	0.103	0.31	423	0.056	75.4	316
464	240	827	0.549	2.29	0.088	0.102	0.27	687	0.092	73.4	307
471	244	823	0.552	2.31	0.088	0.102	0.26	0Kg/cm ² G	0MPaG	73.0	306
500	260	810	0.564	2.36	0.087	0.101	0.24	0.40	0.040	71.4	299
536	280	793	0.579	2.42	0.086	0.100	0.21	1.10	0.108	69.3	290
572	300	776	0.594	2.48	0.085	0.099	0.19	2.03	0.199	67.0	280
608	320	758	0.608	2.54	0.084	0.098	0.17	3.24	0.318	64.6	270

The above data is based on laboratory testing and not all product data is the same.

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