



MAKER TERMICO SYNTH

Description

Synthetic fluid specially formulated for use as a heat transfer agent. Its additives make it extraordinarily thermal stability.

This fluid is specific for use in closed-circuit and forced-circulation heat transfer systems where working temperatures reach approximately 315 °C.

Properties

- High thermal stability.
- Longer service life than mineral oils.
- Wide range of working temperatures.
- Easy temperature control.
- Good heat transfer coefficient.
- Low vapour pressure.
- Low tendency to form carbonaceous waste.
- Less load loss due to its low viscosity.

Quality levels, approvals and recommendations

- ISO: 6743/12 - QC

Technical specifications

	UNIT	METHOD	VALUE
Appearance	-	Visual	Pale yellow
Density at 15 °C	g/mL	ASTM D4052	0.875
Viscosity at 40 °C	cSt	ASTM D445	18
Viscosity at 100 °C	cSt	ASTM D445	3,5
TAN	mgKOH/g	ASTM D664	0,2
Flash point, open cup	°C	ASTM D92	190
Initial distillation point	°C	ASTM D1160	320
Final distillation point	°C	ASTM D1160	480

The above mentioned characteristics are typical values and should not be considered product specifications.



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T (°C)	Visc (cSt)	Density (g/cc)	Conductivity (W/m°C)	Cp (Kj/kg°C)
20	46,75	0,872	0,133	1,770
40	17,73	0,858	0,131	1,854
60	10,05	0,844	0,130	1,937
80	6,72	0,830	0,128	2,021
100	4,92	0,816	0,127	2,105
120	3,81	0,802	0,126	2,188
140	3,07	0,788	0,124	2,272
160	2,55	0,774	0,123	2,355
180	2,16	0,760	0,121	2,439
200	1,87	0,746	0,120	2,523
210	1,74	0,739	0,119	2,564
220	1,63	0,732	0,119	2,606
230	1,53	0,725	0,118	2,648
240	1,45	0,718	0,117	2,690
250	1,37	0,711	0,117	2,732
260	1,29	0,704	0,116	2,773
270	1,23	0,697	0,115	2,815
280	1,16	0,690	0,114	2,857
290	1,11	0,683	0,114	2,899
300	1,06	0,676	0,113	2,941

