



# MAKER TERMICO

## Description

Fluid specially formulated for use as a heat transfer agent. It is formulated from highly refined mineral bases with specific addition that gives it extraordinary thermal stability.

It is a specific oil for use in closed-circuit and forced-circulation heat transfer systems in which maximum working temperatures reach approximately 300 °C.

## Properties

- High thermal stability.
- Extended service life.
- Wide range of working temperatures.
- Easy temperature control.
- Good heat transfer coefficient.
- Low vapour pressure.
- Low tendency to form carbonaceous waste.
- Non-corrosive.

## Quality levels, approvals and recommendations

• DIN: 51522-Q

• ISO: 6743/12 - QB

## Technical specifications

	UNIT	METHOD	VALUE
Density at 15 °C	g/cm <sup>3</sup>	ASTM D4052	0.876
Kinematic viscosity at 40 °C	cSt	ASTM D445	37
Kinematic viscosity at 100 °C	cSt	ASTM D445	5,8
Viscosity index	-	ASTM D2270	102
Pour point	°C	ASTM D97	-12
Flash point, open cup	°C	ASTM D92	220
Initial distillation point	°C	ASTM D1160	360
TAN	mg KOH/g	ASTM D664	0.4
TBN	mg KOH/g	ASTM D2896	1,1
Thermal stability	°C	-	300

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	99.16	0.871	0.105	1.874
40	35.87	0.858	0.103	1.954
60	16.71	0.846	0.101	2.034
80	9.26	0.833	0.099	2.114
100	5.80	0.820	0.097	2.194
120	3.97	0.807	0.095	2.274
140	2.90	0.794	0.093	2.354
160	2.22	0.781	0.091	2.434
180	1.78	0.768	0.089	2.514
200	1.46	0.755	0.087	2.594
210	1.33	0.748	0.086	2.634
220	1.23	0.741	0.085	2.674
230	1.13	0.735	0.084	2.714
240	1.06	0.728	0.083	2.754
250	0.99	0.722	0.082	2.794
260	0.91	0.715	0.081	2.834
270	0.85	0.709	0.080	2.874
280	0.79	0.702	0.079	2.914
290	0.74	0.695	0.078	2.954
300	0.70	0.689	0.077	2.994

