

MULTIGRADO TÉRMIICO

INDUSTRY

Lubricants



Description

Fluid specially formulated for use as a heat transfer agent. It is formulated from highly refined mineral bases with specific additivation that gives it extraordinary resistance to oxidation.

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 and resistance to oxidation.
- 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

- ISO 6743/12-QB
- DIN 51522-Q

Technical specifications

	UNIT	METHOD	VALUE
Density at 15 °C	g/mL	ASTM D 4052	0.875
Viscosity at 40 °C	cSt	ASTM D 445	37
Viscosity at 100 °C	cSt	ASTM D 445	5.8
Viscosity index	-	ASTM D 2270	102
Pour point	°C	ASTM D 97	-12
Flash point	°C	ASTM D 92	220
Initial distillation point	°C	ASTM D 1160	360
TAN	mg KOH/g	ASTM D 664	0.4
TBN	mg KOH/g	ASTM D 2896	1.1
Thermal stability	°C	-	300

A safety data sheet is available on request.

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Technical data sheet for Lubricants. Revision 6. September 2017.

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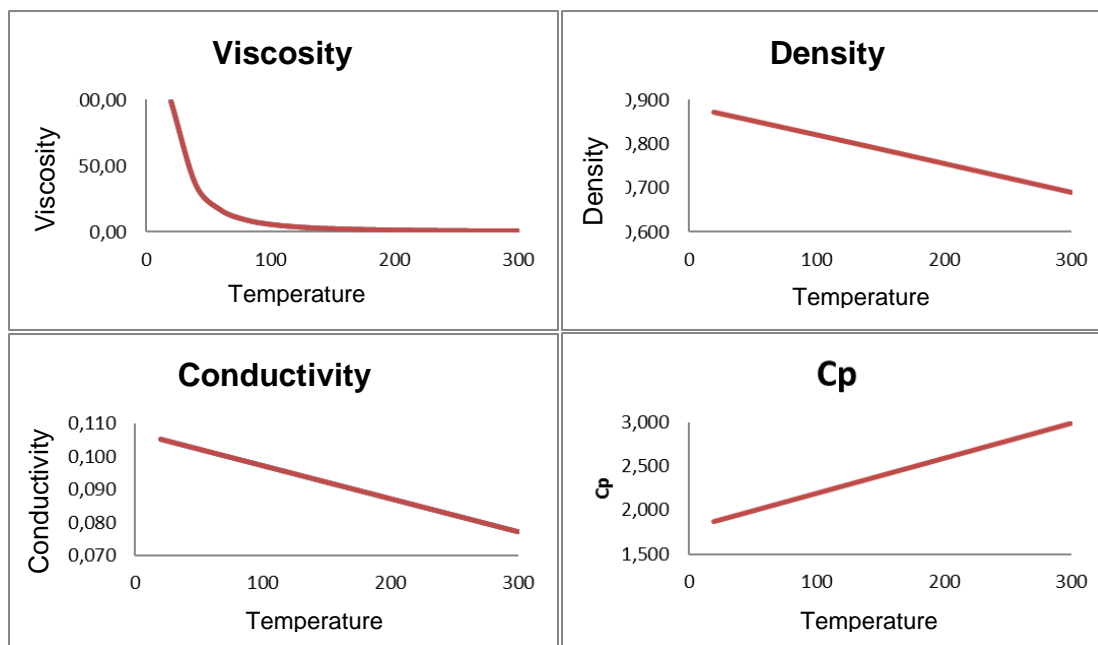
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Technical data to design heat transfer circuits:

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



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

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