

LUZAR MINERAL THERMAL OIL

Description and Applications:

Luzar Mineral Thermal Oil formula is based on quality paraffin waxes in order to ensure a superior resistance to rust and thermal decomposition.

Temperatures:

The recommended temperature range is between -10°C and 310°C.

Properties:

- Great resistance to scale and sludge formation.
- Low viscosity.
- Does not corrode typical metals present in thermal circuits.
- Can be used in both open-loop and closed-loop systems.

Technical Data:

Appearance	Clean bright liquid
Density 15°C (g/ml)	0,877
Viscosity 40°C (mPas)	30
Viscosity 100°C (mPas)	5,3
Viscosity Index	105
Pour Point (°C)	-12
Cubic Expansion Coefficient (m ³ /°C)	0,00066

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Temperature (°C)	Density (Kg./m ³)	Viscosity (mm ² /s)	Specific Heat Capacity (Kcal/Kg.K)	Thermal Conductivity (W/mK)	Nº Prandtl
0	880	287,9	0,432	0,145	3158
50	847	20,38	0,477	0,140	246
100	814	5,31	0,522	0,136	69
150	781	2,39	0,567	0,131	34
200	748	1,41	0,612	0,126	21
250	715	0,98	0,657	0,122	16
300	682	0,75	0,702	0,117	13
340	655	0,63	0,738	0,113	11

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