

## OLITERM 20

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### DESCRIPTION:

Mineral heat transfer oil, paraffinic structure, and highly refined, whose additives provide it with great thermal stability and resistance to oxidation for use in indirect heating and cooling systems.

### PROPERTIES & ADVANTAGES:

- ✓ Excellent thermal and oxidation stability, keeping circuits free of deposits and avoiding increase in viscosity, thus guaranteeing the efficiency of the heat transfer process. Long lifetime of the fluid in service, which allows a reduction in costs caused by maintenance shutdowns and downtime.
- ✓ High thermal conductivity, allowing faster heat dissipation.
- ✓ Its low vapor pressure guarantees resistance to cracking.
- ✓ High specific heat.
- ✓ Good fluidity at low temperatures, facilitating start-up.
- ✓ Non-corrosive.

### APPLICATIONS:

- ✓ Heat transfer systems in closed-circuit.  
Application temperature range (temperature of thermal boundary layer): from -10 °C to +320 °C.  
\* In order to achieve maximum application temperatures, it is essential to keep the circuit completely closed, avoiding the presence of oxygen and/or humidity at all times.
- ✓ OLITERM 20 is intended for open-circuit heat transmission systems.  
Application temperature range (temperature of thermal boundary layer): from -10 °C to +100 °C.

### SPECIFICATIONS / QUALITY LEVEL:

ISO 6743/12-Q	DIN 51522-Q
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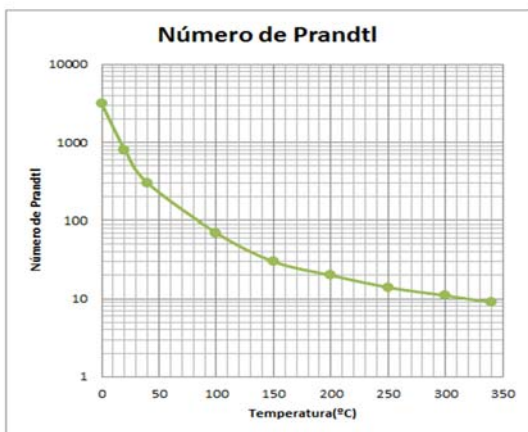
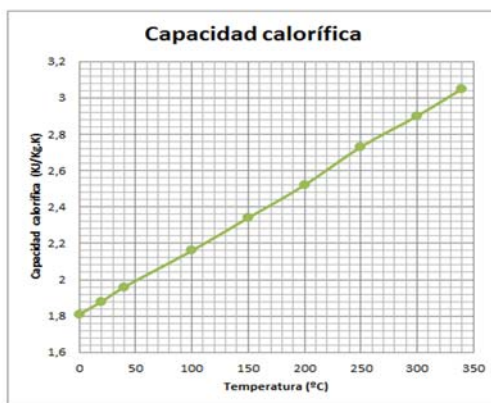
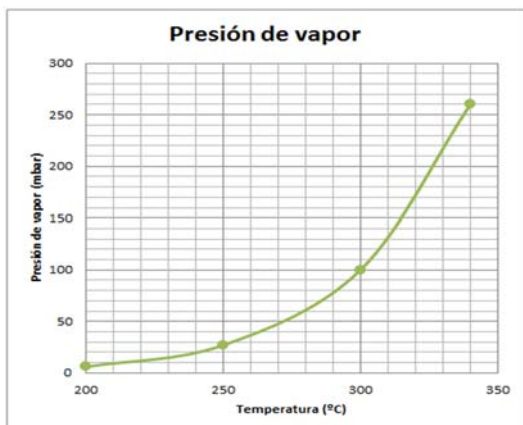
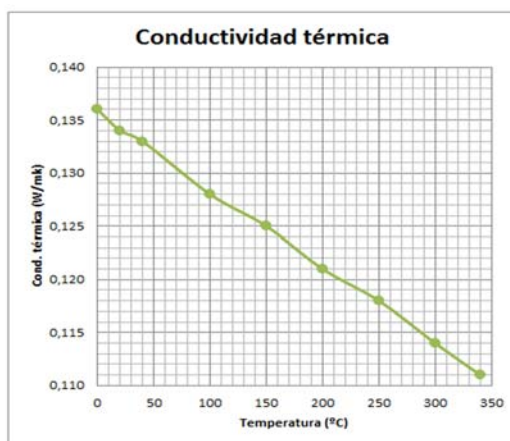
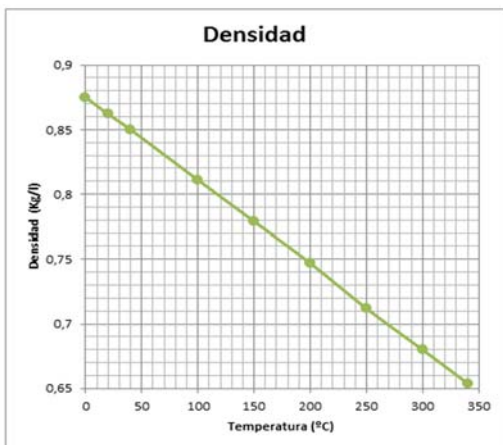
### TECHNICAL DATA:

PHYSICOCHEMICAL CHARACTERISTICS	STANDARD	VALUE
Viscosity at 40 °C (cSt)	ASTM D-445	28 – 38
Viscosity index, typical	ASTM D-2270	100
Density at 15 °C, typical (kg/l)	ASTM D-1298	0.860 – 0.880
Pour point (°C)	ASTM D-97	< -15
Flash point COC (°C)	ASTM D-92	> 200
Copper corrosion (3 hrs, 100 °C)	ASTM D-130	1a
Neutralization number (mg KOH/g)	ASTM D-664	< 0.05
Flash point	DIN 51794	> 360
Micro Carbon Residue - Conradson, % in weight	ASTM D-4530	< 0.06

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### DESIGN DATA FOR THERMAL SYSTEMS:



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Temperature (°C)	Viscosity (cSt)
20	99.16
40	35.87
60	16.71
80	9.26
100	5.8
120	3.97
140	2.9
160	2.22
180	1.78
200	1.46
210	1.33
220	1.23
230	1.13
240	1.06
250	0.99
260	0.91
270	0.85
280	0.79
290	0.74
300	0.7

**PACKAGING:**

20L jerrycan, 200L drum and 1,000L IBC container.