

TRANSTHERM 496

Heat transfer oil

TRANSTHERM 496 is a heat transfer oil with excellent ageing and oxidation stability for the application in closed heat transfer systems.

Physical data

Density at 20 °C	0,868
Viscosity (DIN 51562)	
at 20 °C	84,0 mm ² /s
at 40 °C	31,5 mm ² /s
Pourpoint (DIN 51583)	-16 °C
Flashpoint (DIN 51584)	215 °C
Begin of boiling at 1 bar (DIN 51751)	360 °C
Spec. heat (20-300 °C)	1,9 - 2,9 kJ/kg K
Heat conductivity (20-300 °C)	0,13 - 0,11 W/m K
Volumetric expansion coefficient	0,00066 / K

Application

Max. film temperature	340 °C
Max. circulation temperature	320 °C
Min. start temperature (due to a viscosity of 300 mm ² /s)	1 °C

Recommended lowest application temperature 100 °C
(due to a viscosity of 5 mm²/s, which is necessary for optimal heat exchange)

Only valid in combination with EU-Safety Data Sheet

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Warranty:

The information given here is considered to be correct and is offered for your consideration, investigation and verification. No warranties are expressed or implied since the use of our products is beyond our control. Statements concerning the use of PETROFER-products are not to be construed as recommending the infringement of any patent.

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PETROFER CHEMIE · Römerring 12-16 · D-31137 Hildesheim · Phone +49 (0)5121/7627-0 · Fax +49 (0)5121/54438

<mailto:info@petrofer.com>

<http://www.petrofer.com>