

# oilfino Thermol 46



## DESCRIPTION

**oilfino Thermol 46** is a heat transfer oil with favourable viscosity which offers excellent thermal stability and good oxidation resistance. Low viscosity at high boiling point ensures turbulent flow conditions and thus good heat transfer performance at a relatively low oil flow velocity. Operational safety and reliability result from compliance with DIN 4754, accident prevention regulation VGB 17 and VDI guideline 3033.

## PROPERTIES

oilfino Thermol 46 meets and even exceeds DIN 51522 requirements and is recommended for constructions operating at film wall temperature from -10°C to +350°C. With all mineral heat transfer oils, contact with air needs to be avoided as access of oxygen to heat transfer oil would accelerate ageing.

## SPECIFICATIONS

- DIN 51 502-Q 46

Specific Data	Method	Unit	oilfino Thermol 46
Viscosity grade	ISO VG		46
Density at 15°C	DIN 51757	kg/m <sup>3</sup>	870
Viscosity at 40°C	DIN 51562	mm <sup>2</sup> /s	43,7
Flash point COC	DIN ISO 2592	°C	225
Pour point	DIN ISO 3016	°C	-12
Carbon residue	DIN 51551	% by weight %	0,01
Start of boiling/1013 hPa	ASTM D 1160	°C	390 lt. ASTM 1160
Pre-run temperature		°C	up to 320

Temperature C°	Viscosity mm <sup>2</sup> /s	Density g/m <sup>3</sup>	Specific heat capacity kJ/kg K	Thermal conductivity W/m K	Prandtl number
0	535	0,879	1,864	0,134	6543
50	28,6	0,848	2,078	0,131	385
100	6,5	0,816	2,293	0,127	96
200	1,5	0750	2,721	0,120	26
300	0,7	0,685	3,151	0,113	13,4
320	0,6	0,672	3,236	0,111	11,8

*Alle Informationen sind nach bestem Wissen erstellt, jedoch ohne Gewähr. Technische Daten sind Durchschnittswerte und unterliegen den üblichen Produktionsschwankungen. oilfino behält sich das Recht vor die Produkte zu verbessern und die Spezifikation entsprechend zu ändern.*