

# oilfino Thermol 32



## DESCRIPTION

Customised mineral oils have taken a leading position as medium for heat transfer systems. Operational safety and reliability result from compliance with DIN 4754, accident prevention regulation VGB 17 and VDI guideline 3033. Applicable base oils for oilfino Thermol 32 allow development of heat transfer oils in a favourable viscosity position with 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.

## PROPERTIES

oilfino Thermol 32 is recommended for constructions operating at film wall temperature from -10°C to +320°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 32

Specific Data	Method	Unit	oilfino Thermol 32
Viscosity grade	ISO VG		32
Density at 15°C	DIN 51757	kg/m <sup>3</sup>	866
Viscosity at 40°C	DIN 51562	mm <sup>2</sup> /s	30
Flash point COC	DIN ISO 2592	°C	230
Pour point	DIN ISO 3016	°C	-15
Carbon residue	DIN 51551	% by weight %	0,01
Start of boiling/1013 hPa	ASTM D 1160	°C	350
Vorlauftemperatur		°C	up to 300

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	297	0,876	1,812	0,136	3462
50	20,0	0,844	1,994	0,133	254
100	5,05	0,812	2,176	0,129	69
200	1,27	0,794	2,541	0,122	19
300	0,63	0,685	2,906	0,115	10

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