

Product information AVOL STREICHERT WTO_46



Description:

High performance heat transfer fluid is based on carefully selected highly refined mineral oils and resists oil cracking, oxidation and thickening. AVOL WTO_46 can be used in high temperature continuous heat transfer equipment with the following application limits: max. film temperature 300°C; max. bulk temperature 270°C.

Approvals and specifications:

ISO 6743-12 L-QC-46
ISO 3448 VG 46
DIN 51522-Q

Temperature, °C	Kin. Viscosity, mm ² /s	Density, g/ml	Specific heat capacity, kJ/kgK	Thermal conductivity, W/mK	Prandtl number
0	535	0,879	1,834	0,134	6543
50	28,6	0,848	2,055	0,131	385
100	6,7	0,816	2,191	0,127	96
200	1,5	0,751	2,671	0,119	26
300	0,7	0,685	3,051	0,113	13,4
320	0,6	0,672	3,136	0,111	11,8

Technical data:

Density at 20°C	0.868 g/ml EN ISO 3675
Viscosity at 40°C	44.5 mm ² /s EN ISO 3104
Viscosity at 100°C	6.7 mm ² /s EN ISO 3104
Viscosity at 200°C	1.5 mm ² /s EN ISO 3104
Pour point	-10°C ISO 3016
Flash point (COC)	238°C EN ISO 2592
Flash point (PMCC)	226°C EN ISO 2719
Initial boiling point	>330°C ISO 3405
Neutralisation value	<0,2 mg KOH/g ASTM D974
Ash (Oxide)	<0,01 % ISO 6245
Carbon Residue (Conradson)	<0,02 % ISO 10370
Copper Corrosion (3 hrs/1000C)	Class 1 ISO 2160

Our information is based on thorough research and may be considered reliable, although not legally binding.