

STRUB Vulcotherm

Heat transfer oils based on mineral oil

Description

STRUB Vulcotherm are heat transfer oils based on solvent raffinates (-SN-) or dewaxed hydrocrack oil (-HC-).

Application

As heat transfer media in industrial plants.

Features and advantages

- good oxidation and temperature resistance
- excellent protection against corrosion
- does not form residues
- still liquid at low temperatures
- no vapor pressures; the piping system does not have to be designed as a pressure system

Specifications

DIN 51522

Technical data

ISO Base oil Typ		22 -HC-	32 -SN-	32+ -HC-	100 -SN-
Art. No.		30436	30733	31080	30435
Spec. wt. at 20°C		0.840	0.874	0.842	0.888
Visc. at 40°C	cSt	22	34	32.5	104
Visc. at 100°C	cSt	4.5	5.6	5.9	11.7
Flash point °C	°C	210	210	228	250
Pour point °C	°C	- 15	- 15	- 15	- 12
Thermal conductivity	W/mK				
at 50°C		0.132	0.132	0.132	0.126
at 300°C		0.113	0.112	0.112	0.108
Specific heat	kJ/kgK				
at 300°C		3.203	3.172	3.16	2.942
Coefficient of expansion	Vol-%	0.063	0.063	0.061	0.063
Flow temperature max.	°C	290	300	320	300
Film temperature max.	°C	320	330	340	330

Transport

ADR/SDR No dangerous goods

Disposal

LVA VeVA / EAK: 13 02 08

The information in this technical data sheet is based on general knowledge and application possibilities. STRUB + Co. AG is not liable for damage resulting from improper use of the products. The industry-standard measurement and production tolerances apply to the specified characteristic. Generally, no legal binding can be derived from these data. Our products are subject to continuous further development. Therefore, STRUB + Co. AG reserves the right to change all technical data in this data sheet at any time and without prior notice.