SRS Mihatherm WU 32

Heat Transfer Oil

March 2016

Characteristics

SRS Mihatherm WU 32 is a heat transfer oil with excellent thermal and oxidation stability in a viscosity range, ideal for heat transfer operations. A low viscosity product in a high boiling range guarantees turbulent flow associated with good heat transfer at relatively low flow velocity. Operations safety and reliability result from compliance with DIN 4754, UVV (accident prevention regulation), VGB 17 and VDI Richtlinie (Guideline) 3033.

The SRS base oils allow the development of heat transfer oils in a convenient viscosity grade with excellent thermal stability and good oxidation stability. A low viscosity in a high boiling range guarantees turbulent flow associated with good heat transfer at relatively low flow velocity.

Applications

SRS Mihatherm WU 32 is recommended for plants with film wall temperature in the range between -10°C and 320°C.

Contact between oil and air should be avoided, because air (oxygen) can cause accelerated oxidation of hydrocarbon products.

SRS Mihatherm WU 32 is a heat transfer oil with designation Q, DIN 51 502.

SRS Mihatherm WU 32 oil is a product of the H&R ChemPharm GmbH.

Typical Data		Test Method	SRS Mihatherm WU 32
Designation		DIN 51 502	Q
Density at 15°C	g/cm³	DIN 51 757	0.866
Kin. Viscosity at 40°C	mm²/s	DIN EN ISO 3104	30
Flash Point COC	°C	DIN ISO 2592	230
Pour Point	°C	DIN ISO 3016	-15
Carbon Residue	wt.%	DIN 51 551	0.01
Initial Boiling Point	°C	ASTM D 1160	350
Flow Temperature	°C		up to 300

Temperature °C	Kin. Viscosity mm²/s	Density g/cm³	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	0.749	2.541	0.122	19
300	0,63	0.685	2.906	0.115	10

The above values may vary within the commercial limits.

Made in Germany

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