

Heat transfer fluids suitable for agro-food industries.

PERFORMANCES

NSF H1:

HT1 category - Registration no: 145813 (ST1)

HT1 category - Registration no: 145814 (ST2)

ADVANTAGES

The THERMAL ST range has been specially developed to satisfy the requirements of heat transfer in the agro-food industry in cases where a fluid with excellent thermal stability is required.

The products of the THERMAL ST range have an excellent thermal stability reinforced by specific additives which prevent the formation of deposits and the corrosion of circuits.

USES

- All heating processes in the agro-food industry which use a heat transfer fluid between a generator and an exchanger.
- Heating in water baths.

Characteristics	Units	Standards	Values	
			ST1	ST2
Density at 15°C	kg/m ³	NF T 60-101	860	869
Density at 100°C	kg/m ³	NF T 60-101	833	842
Specific heat at 20°C	cal/g/°C	-	0.46	0.46
Specific heat at 100°C	cal/g/°C	-	0.51	0.51
Coefficient of expansion per 1°C	-	-	0.065	0.065
V.O. Flash point	°C	NF T 60-118	216	241
Fire point	°C	NF T 60-118	233	261
Kinematic viscosity at 20° C	mm ² /s	NF T 60-100	87.6	218.4
Kinematic viscosity at 40° C	mm ² /s	NF T 60-100	32.1	68.3
Kinematic viscosity at 100° C	mm ² /s	NF T 60-100	5.3	8.6
Viscosity index	-	NF T 60-136	96	95
Pour point	°C	NF T 60-105	- 8	- 8
Normal working temperature	°C	-	180-200	220-240
Limit working temperature	°C	-	310	320

Characteristics are given for information only and correspond with our manufacturing standards. IGOL reserves the right to modify them to provide its customers with the benefits of technical progress. Before using this product read the instructions for use and the environmental impacts mentioned in the technical and safety data sheets. The information given above is based on the current level of knowledge relative to the product concerned. The product user should take all useful precautions relative to its use. IGOL can in no circumstances be held responsible for damage resulting from incorrect use.

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