

## A high flash point synthetic heat transfer fluid.

SONITHERM E 22 is a 100% synthetic heat transfer fluid usable in the liquid phase between -10°C and +315°C, and with a much better thermal stability than that of mineral oil-based fluids. Although a low-viscosity thermal fluid (22 mm<sup>2</sup>/s at 40°C), SONITHERM E 22 possesses a high flash point and fire point, enabling the system to work under better safety conditions than with a mineral-based fluid.

### USES

Any heating processes, water bath heating.

### ADVANTAGES

- System safety (high flash and fire points)
- Low deposits
- Excellent thermal stability
- Low volatility
- Low viscosity, enabling better system efficiency
- Reduces risks of pump cavitation and of vapour lock formation
- In most cases, enables the system to operate at a temperature below the fluid's flash point

Characteristics	Standard	Unit	Typical values
Grades	ISO-VG	-	22
Appearance	-	visual	clear
Density at 15 °C	NF T 60-101	kg/m <sup>3</sup>	940
Kin. visc. at 40 °C	NF T 60-100	mm <sup>2</sup> /s	21.9
Kin. visc. at 100 °C	NF T 60-100	mm <sup>2</sup> /s	4.6
Viscosity index	NF T 60-136	-	131
COC flash point	ASTM D92	°C	270
Fire point	ASTM D92	°C	304

*The characteristics are given purely for information and are consistent with our current production standards. IGOL reserves the right to modify them, in order to pass on technical developments to its customers. Before using this product, you should consult the instructions for use and the environmental impact shown on the technical and safety data sheets. The information given above is based on the current state of our knowledge of the product in question. The product user should take all relevant precautions relating to its use. Under no circumstances may IGOL be held liable for damages resulting from misuse.*

Document ref.: XV-IGOL001-1511  
Published: 24/05/2016