

JoshTherm

FG 32 Food Grade Thermic Fluid

Product Description

JoshTherm is a premium White Mineral Oil (USP/NF Grade) Food Grade Thermic Fluid designed for Food processing plants, bakeries, beverage production, confectionery, dairy processing. Meets NSF HT1, FDA 21 CFR 178.3620, ISO 21469, DIN 51522-Q specifications and delivers exceptional performance in demanding conditions.

Technical Specifications

Appearance	Water white clear liquid
Density at 15°C	0.850-0.870 g/cm ³
Kinematic Viscosity at 40°C	28-35 cSt
Kinematic Viscosity at 100°C	5.2-6.0 cSt
Viscosity Index	105 min
Flash Point (COC)	230°C min
Fire Point	250°C min
Pour Point	-12°C max
Auto Ignition Temperature	370°C
Max Bulk Temperature	305°C
Max Film Temperature	325°C
Thermal Conductivity at 100°C	0.132 W/m-K
Specific Heat at 100°C	2.15 kJ/kg-K
Carbon Residue (Conradson)	0.005% max
Total Acid Number	0.01 mgKOH/g max
Certification	NSF HT1, Kosher, Halal
Taste & Odour	None
Toxicity	Non-toxic (incidental food contact safe)

Applications

Food processing plants, bakeries, beverage production, confectionery, dairy processing

Performance Standards

NSF HT1

Handling & Storage

- Store in a cool, dry place away from direct sunlight
- Keep container tightly closed when not in use
- Shelf life: 36 months from date of manufacture
- Do not mix with other lubricants