

JoshTherm

S 55 Synthetic Thermic Fluid

Product Description

JoshTherm is a premium Synthetic Hydrocarbon (Polyalphaolefin + Alkylbenzene Blend) Synthetic Thermic Fluid designed for Extended life heat transfer, chemical processing, pharmaceutical manufacturing, ORC systems. Meets DIN 51522-S, ISO 6743-12 Synthetic specifications and delivers exceptional performance in demanding conditions.

Technical Specifications

Appearance	Water white clear liquid
Density at 15°C	0.845-0.865 g/cm³
Kinematic Viscosity at 40°C	28-32 cSt
Kinematic Viscosity at 100°C	5.5-6.5 cSt
Viscosity Index	140 min
Flash Point (COC)	220°C min
Fire Point	240°C min
Pour Point	-25°C max
Auto Ignition Temperature	400°C
Max Bulk Temperature	315°C
Max Film Temperature	340°C
Thermal Conductivity at 100°C	0.125 W/m·K
Specific Heat at 100°C	2.25 kJ/kg·K
Carbon Residue (Conradson)	0.005% max
Total Acid Number	0.02 mgKOH/g max
Thermal Stability	Excellent
Oxidation Stability (RPVOT)	800+ minutes
Low Temperature Pumpability	Superior

Applications

Extended life heat transfer, chemical processing, pharmaceutical manufacturing, ORC systems

Performance Standards

DIN 51522-S

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