

JoshTherm

S HT Synthetic Thermic Fluid

Product Description

JoshTherm is a premium Synthetic Aromatic (Partially Hydrogenated Terphenyl) Synthetic Thermic Fluid designed for Extreme temperature applications, gas-to-liquids, coal tar processing, high temp reactors. Meets DIN 51522-S Premium, ISO 6743-12 High Temp specifications and delivers exceptional performance in demanding conditions.

Technical Specifications

Appearance	Clear light amber liquid
Density at 15°C	1.000-1.020 g/cm³
Kinematic Viscosity at 40°C	42-52 cSt
Kinematic Viscosity at 100°C	5.0-6.5 cSt
Viscosity Index	75 min
Flash Point (COC)	200°C min
Fire Point	220°C min
Pour Point	-10°C max
Auto Ignition Temperature	480°C
Max Bulk Temperature	350°C
Max Film Temperature	380°C
Thermal Conductivity at 100°C	0.115 W/m·K
Specific Heat at 100°C	1.80 kJ/kg·K
Carbon Residue (Conradson)	0.01% max
Total Acid Number	0.02 mgKOH/g max
Thermal Stability	Exceptional
Decomposition Rate at 350°C	