

JoshTherm

M 46 Mineral Thermic Fluid

Product Description

JoshTherm is a premium Highly Refined Paraffinic Mineral Oil (Group II+) Mineral Thermic Fluid designed for Medium duty industrial heating, asphalt plants, rubber processing, laminating presses. Meets DIN 51522, ISO 6743-12 specifications and delivers exceptional performance in demanding conditions.

Technical Specifications

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|-------------------------------|-------------------------------|
| Appearance | Clear amber liquid |
| Density at 15°C | 0.860-0.880 g/cm ³ |
| Kinematic Viscosity at 40°C | 42-50 cSt |
| Kinematic Viscosity at 100°C | 6.5-7.5 cSt |
| Viscosity Index | 100 min |
| Flash Point (COC) | 220°C min |
| Fire Point | 240°C min |
| Pour Point | -6°C max |
| Auto Ignition Temperature | 365°C |
| Max Bulk Temperature | 300°C |
| Max Film Temperature | 320°C |
| Thermal Conductivity at 100°C | 0.131 W/m-K |
| Specific Heat at 100°C | 2.12 kJ/kg-K |
| Carbon Residue (Conradson) | 0.02% max |
| Total Acid Number | 0.05 mgKOH/g max |
| Copper Corrosion (3h/100°C) | 1a |
| Thermal Stability | Very Good |

Applications

Medium duty industrial heating, asphalt plants, rubber processing, laminating presses

Performance Standards

DIN 51522

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