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The characterization and thermo-physical property investigations of SiO₂/HFE7000 nanorefrigerants

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Highlights

1. Measurement of thermo-physical properties for SiO₂/HFE7000 nanorefrigerants
2. Measurements are undertaken at different volume concentrations and temperatures
3. The SiO₂/HFE7000 nanorefrigerants shows high stability for more than 90 days
4. Highest thermal conductivity enhancement was 27% at 0.02% volume concentration
5. The SiO₂/HFE7000 nanorefrigerants have potential in heat transfer applications

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