## **Accepted Manuscript**

The characterization and thermo-physical property investigations of SiO<sub>2</sub>/HFE7000 nanorefrigerants

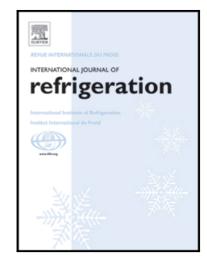
M.R.M. Nawi, M.Z.A. Rehim, W.H. Azmi, S.A. Razak

PII: S0140-7007(18)30051-3 DOI: 10.1016/j.ijrefrig.2018.02.006

Reference: JIJR 3885

To appear in: International Journal of Refrigeration

Received date: 25 October 2017 Revised date: 3 February 2018 Accepted date: 8 February 2018



Please cite this article as: M.R.M. Nawi , M.Z.A. Rehim , W.H. Azmi , S.A. Razak , The characterization and thermo-physical property investigations of  $SiO_2/HFE7000$  nanorefrigerants , *International Journal of Refrigeration* (2018), doi: 10.1016/j.ijrefrig.2018.02.006

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

#### ACCEPTED MANUSCRIPT

#### Highlights

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



### Download English Version:

# https://daneshyari.com/en/article/7175319

Download Persian Version:

https://daneshyari.com/article/7175319

<u>Daneshyari.com</u>