

Accepted Manuscript

Investigation on cohesive force of ice particles in ice slurry for long-term ice storage

Koji Matsumoto , Hiroyuki Kubota , Yuri Umehara , Kohei Ehara , Junki Sakamoto , Jun Ueda , Kakeru Sato

PII: S0140-7007(18)30106-3
DOI: [10.1016/j.ijrefrig.2018.03.026](https://doi.org/10.1016/j.ijrefrig.2018.03.026)
Reference: JIJR 3940



To appear in: *International Journal of Refrigeration*

Received date: 31 January 2018
Revised date: 28 March 2018
Accepted date: 28 March 2018

Please cite this article as: Koji Matsumoto , Hiroyuki Kubota , Yuri Umehara , Kohei Ehara , Junki Sakamoto , Jun Ueda , Kakeru Sato , Investigation on cohesive force of ice particles in ice slurry for long-term ice storage, *International Journal of Refrigeration* (2018), doi: [10.1016/j.ijrefrig.2018.03.026](https://doi.org/10.1016/j.ijrefrig.2018.03.026)

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.

Highlights

- The trends of ice particle size, porosity, and permeability with time were found out.
- The factors dominating the cohesive force and their effects were found out .
- The cohesive force was found to be maximized at 8 h of storage.
- An inverse correlation between the cohesive force and permeability was identified.
- Appropriate equations to give the dimensionless cohesive forces were proposed.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/7175259>

Download Persian Version:

<https://daneshyari.com/article/7175259>

[Daneshyari.com](https://daneshyari.com)