


[DOWNLOAD](#)


Characterization of Ice for Return-To-Flight of the Space Shuttle: Part 2; Soft Ice (Paperback)

By -

Bibliogov, United States, 2013. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.In support of characterizing ice debris for return-to-flight (RTF) of NASA's space shuttle, we have determined the microstructure, density and compressive strength (at -10 C at approximately 0.3 per second) of porous or soft ice that was produced from both atmospheric water and consolidated snow. The study showed that the atmospheric material was generally composed of a mixture of very fine (0.1 to 0.3 millimeters) and coarser (5 to 10 millimeter) grains, plus air bubbles distributed preferentially within the more finely-grained part of the microstructure. The snow ice was composed of even finer grains (approximately 0.05 millimeters) and contained more pores. Correspondingly, the snow ice was of lower density than the atmospheric ice and both materials were significantly less dense than hard ice. The atmospheric ice was stronger (approximately 3.8 MPa) than the snow ice (approximately 1.9 MPa), but weaker by a factor of 2 to 5 than pore-free hard ice deformed under the same conditions. Zero Values are given for Young's modulus, compressive strength and Poisson's ratio that can be used for modeling soft ice from the external tank.


[READ ONLINE](#)

[2.31 MB]

Reviews

Good electronic book and valuable one. Of course, it is actually perform, still an interesting and amazing literature. You may like how the author publish this pdf.

-- **Lisette Schimmel**

Absolutely essential study book. It normally fails to price excessive. I realized this ebook from my dad and i encouraged this publication to find out.

-- **Mariela Stroman**

Relevant PDFs



Monkeys Learn to Move: Puppet Theater Books Presents Funny Illustrated Bedtime Picture Values Book for Ages 3-8

Createspace, United States, 2015. Paperback. Book Condition: New. 216 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.What are the Monkey s up to now? Moving! Monkeys Learn to Move helps children learn what it is like...



Read Write Inc. Phonics: Yellow Set 5 Storybook 7 Do We Have to Keep it?

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 211 x 101 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read Write Inc. Set 1 and 2 sounds....



Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 6: Ice City (Hardback)

Oxford University Press, United Kingdom, 2011. Hardback. Book Condition: New. 170 x 145 mm. Language: English . Brand New Book. Read With Biff, Chip and Kipper is the UK s best-selling home reading series. It is based on Oxford Reading Tree which...



Read Write Inc. Phonics: Set 7 Non-Fiction 3 the Ice and Snow Book

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. 207 x 86 mm. Language: N/A. Brand New Book. These decodable non-fiction books provide structured practice for children learning to read. Each set of books is carefully levelled to match childrens growing...



Fun with Ice Skaters Stencils

Dover Publications Inc., United States, 2000. Paperback. Book Condition: New. 146 x 107 mm. Language: English . Brand New Book. 6 sturdy open stencils of kids on ice skates, dressed in swirling caps and scarves, add a frosty touch of winter fun...



Arthur and the Ice Rink

Phoenix Yard Books. Paperback. Book Condition: new. BRAND NEW, Arthur and the Ice Rink, Johanne Mercier, Daniel Hahn, I'm Arthur, and I'm seven. In the summer, I really like staying with my grandparents by Picket Lake, but in the winter I can...