

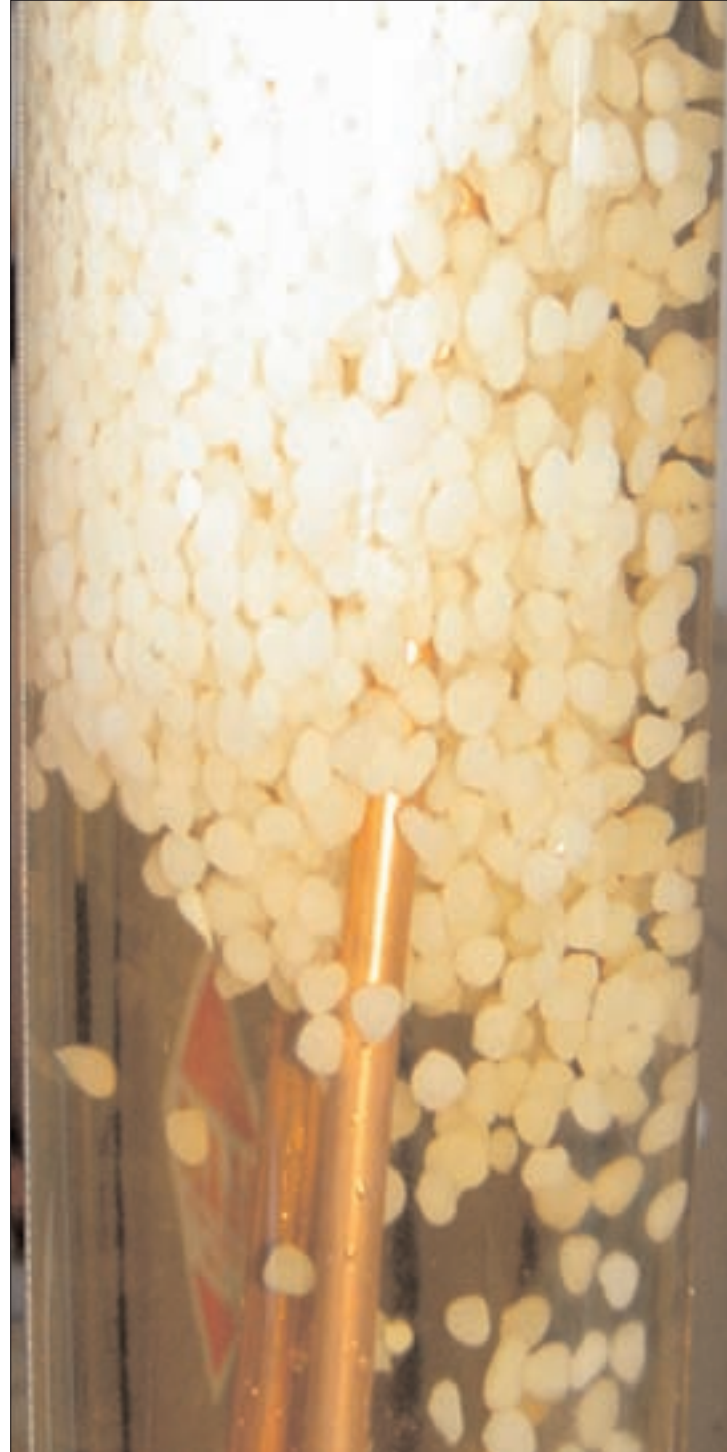


QUICK RESPONSE HEAT STORAGE USING NANOFUIDS AND PHASE CHANGE MEDIA

Improving energy efficiency through new ways to transfer and store heat

- Nano technology techniques are being developed to greatly increase the heat transfer capabilities of fluid.
- Systems with phase change materials are being implemented that can quickly absorb and emit large amounts of heat.

PHASE CHANGE HEAT STORAGE MATERIAL IN FLUIDIZED BED



Nanofluids are being developed to further enhance heat storage system efficiency and capability. Nanofluids can transfer from 2-10 times more heat per unit volume than conventional fluids.