



Histoire de Sir Charles Grandison Contenue Dans Une Suite de Lettres,

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 22 pages. Original publisher: Cleveland, Ohio : National Aeronautics and Space Administration, Glenn Research Center, 2010 OCLC Number: (OCoLC)731030387 Excerpt: . . . Another copper clad TPG composite cooling plate was tested. This composite plate was made with the ATTA-LM2 electrically conductive adhesive. The ATTA adhesive has a greater thermal conductivity in one in-plane direction than the other in-plane direction. For this sample the higher conductivity direction was oriented perpendicular to the heat flux direction. Figure 22 plots the temperature data collected on the copper clad cooling plate. Figure 23 plots the heat flux through the composite plate against the temperature gradients determined from Figure 22. The slope of the line in Figure 23 is 1149 Watt m-K which is a thermal conductivity much higher than that measured for the pure copper plate. This copper clad composite plate had a lower density than the copper clad plate made with the TP1 adhesive. The lower density and the high thermal conductance makes this composite plate an acceptable material for a fuel cell cooling plate where the heat does not have to be transmitted across the active area of a...



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