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# SURFACE CHARACTERIZATION OF LMMS MOLYBDENUM DISILICIDE COATED HTP-8 USING ARC-JET HYPERSONIC FLOW



Surface Characterization of LMMS Molybdenum Disilicide Coated HTP-8 Using Arc-Jet Hypersonic Flow

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BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 22 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. Surface properties for an advanced Lockheed Martin Missile and Space (LMMS) molybdenum disilicide coated insulation (HTP-8) were determined using arc-jet flow to simulate Earth entry at hypersonic speeds. The catalytic efficiency (atom recombination coefficients) for this advanced thermal protection system was determined from arc-jet data taken in both oxygen and nitrogen streams at temperatures ranging from 1255 K to roughly 1600...

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