

SPACE EXPLORATION

Databases for meeting space exploration challenges

- Launch systems
- Rocket propulsion
- Space probes
- Electrical generation systems
- Communications systems
- Reconnaissance satellites
- Thermoradiative data for deep space
- Materials selection
- Microelectronics/composites data
- Failure analysis
- Cryogenic to high temperature data

Thermophysical
Composites—Elements—Coatings
Alloys—Metals—Cryogenic
Expansion—Diffusivity—Strain—Elongation
Modulus—Thermoradiative—Kelvin
Failure—Hardness—Optical—Alloys
Stress—Fatigue—Corrosion—Nuclear—Electrical—Mechanical
Area Reduction—Density—Strength—Composites—Biomedical
Fracture—Toughness—Creep—Elements—Strength—Density—Area Reduction—Density—Strength—Composites—Biomedical

**DATA
IS IN
OUR
DNA**



PRODUCTS

Aerospace and High Performance Alloys Database (AHAD)

Mechanical properties of over 340 High Performance Alloys organized in chapters written by experts in the alloys

Aerospace Structural Metals Database (ASMD)

Mechanical properties of over 300 Alloys used in aerospace organized in chapters written by experts in the alloys

Cryogenic and Low Temperatures Database (CLTD)

Thermophysical, mechanical, electrical and other properties of over 2100 materials in the temperature range from 0K to 273K

Thermophysical Properties of Matter Database (TPMD)

Thermophysical and thermoradiative properties of over 5000 materials

Microelectronic and Composite Materials Database (MCMD)

Our newest product introduced in 2022 contains everything in the MPMD (over 1200 materials) plus much new data on more than 200 composite materials, including ceramic matrix composites, both particulate and whisker reinforced as well as GLARE materials (GLAss-REinforced Fiber Metal Laminate).

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