

DEFENSE

Databases for meeting defense industry challenges

- Data on the major alloys used in armored vehicles (Ferrium M54, AerMet 100, Aluminum alloys 5083, 6061, 7029, 2075, 7085)
- Typical data includes: Brinell Hardness Numbers (BHN), fracture toughness, tensile strength
- *Fatigue data: high cycle fatigue and fatigue crack growth*
- *Data on alloys supporting emerging technologies in armor protection and munitions industries*
- *Trusted by the world's premier defense manufacturing and research and development labs*



**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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