

MARITIME

Databases for meeting maritime challenges

- Characteristics of metals, alloys and composites aid in materials selection for marine environments
- Valuable data on corrosion resistance for lifespan and maintenance predictions
- Identifying degradation mechanisms and implementing appropriate replacement strategies
- Corrosion and fatigue properties in marine environments
- Provides historical data on long-term behavior of materials in maritime conditions

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

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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