



Materials Selection

Metals · Non-metals · Properties · Availability · Economics · Standards · Safety & Environment



Materials Selection...

Selection of a suitable material for a process environment is critical in avoiding premature failures of process equipment and optimizing process performance. Materials selection takes into account obvious factors such as mechanical and chemical resistance properties but also other important areas such as material availability, economics, safety and environmental standards, etc.

Our team has an extensive library of corrosion data as well as a world-class wear database to draw upon. Corrosion and wear tests are also employed to test materials in unique environments not well established in literature.

Experience in metals...

- Carbon steels
- Low alloy steels
- Stainless steels
- Cast irons
- Nickel alloys
- Titanium alloys
- Aluminum alloys
- Copper alloys

Experience in non-metals...

- Thermoplastics (PVC, PP, PTFE, etc.)
- Reinforced plastics (FRP)
- Brick & rubber linings, coatings
- Technical ceramics, graphite



Contact Us

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