

EnginSoft is a premier consulting firm in the field of Simulation Based Engineering Science (SBES) with a global presence. It was founded in 1984, but its founder and initial employees had been working in SBES since the mid '70s. Throughout its long history it has been at the forefront of technological innovation and remains a catalyst for change in the way SBES and CAE technologies in general are applied to solve even the most complex industrial problems with a high degree of reliability.

Today, EnginSoft is comprised of groups of highly qualified engineers, with expertise in a variety of engineering simulation technologies including FEM Analysis and CFD, working in synergic companies across the globe. We are present in Italy, France, Germany, the UK, Sweden, Turkey and the U.S.A. and have a close partnership with synergetic companies located in Greece, Spain, Israel, Portugal, Brazil, Japan and the U.S.A.

EnginSoft works across a broad range of industries that include the automotive, aerospace, defense, energy, civil engineering, consumer goods and biomechanics industries to help them get the most out of existing engineering simulation technologies.



ITALY
+39 0461 9153 91

FRANCE
+33 1 41 2299 30

GERMANY
+49 2234 60386 10

UNITED KINGDOM
+44 2476 9971 60

NORDIC EUROPE
+46 46 286 89 00

TURKEY
+90 216 504 11 53

USA
+1 469 912 0504



www.enginsoft.com | info@enginsoft.com



ENGINSOFT

DATA SHEET

 **Total Materia**

The world's most
comprehensive materials database

The world's most comprehensive materials database



Total Metals

Flagship database offering the ultimate in standard materials properties data including composition, mechanical and physical properties, heat treatment diagrams, cross-reference tables for over 350.000 alloys.

PolyPlus

Non-metallic material database offering access to material properties for thousands of plastics, ceramics and composites including mechanical, physical, thermal and electrical properties.

Extended Range

Provides an unparalleled material properties resource for advanced CAE/FEA structural and thermal calculations and analysis and includes thousands of stress strain curves, cyclic properties and formability curves and more.

DataPLUS

Provides data subsets covering joints information, lubricants and coolants, material dimensions, tribology, and coatings for thousands of metallic and non-metallic materials.

Enviro

Provides corrosion data, irradiation, weathering and aging information for thousands of metallic and non-metallic materials.

Compliance

Provides a single source of information about global regulations for materials and substances.

Suppliers

Browse, search and quickly find material suppliers from all over the world in combination with the Total Metals database which provides accurate connection between materials, their properties and potential local or global suppliers.

Smart Comp

Identify unknown materials from chemical composition which has been generated by spectrometer. Find matches from one of the 350.000 metals and then view material property data and cross-references at the click of a button.

eXporter

Export material property data into CAE solver formats in 3 simple steps including formats such as ANSYS, HyperWorks, Abaqus, Siemens NX and many more.

Tracker

Make sure that the data being used is the most up to date and therefore most reliable information available. See exactly what has changed within the database and when from standard version updates to property data changes.

Total Materia is a product

 **Total Materia**

Total Materia as a market leading material properties database has an important part to play in the materials information work flow by providing core business functions such as material selection, design and CAE, analysis, quality control, and purchasing with the ammunition to make accurate and informed decisions about materials. Total Materia offers exceptional added value to engineering tasks.

What's Inside

- ✓ Properties for more than 450.000 materials, including metals, polymers, ceramics and composites
- ✓ 150.000 stress-strain curves
- ✓ 74 Standard Development Organizations
- ✓ More than 35.000 materials with cyclic properties
- ✓ International cross-reference tables
- ✓ Property estimation and interpolation
- ✓ Data export to CAE software
- ✓ Identification of unknown materials
- ✓ Multiple materials comparison options
- ✓ Standard and material update tracking

Product Packages

Total Materia offer a range of packages created to provide an ideal solution for all possible material data needs.

PACKAGE	COMPONENTS								
	 TOTAL METALS	 POLYPLUS	 EXTENDED RANGE	 EXPORTER	 DATAPLUS	 ENVIRO	 SMART COMP	 TRACKER	 SUPPLIERS
ESSENTIALS BASIC	✓							✓	✓
ESSENTIALS PREMIUM	✓	✓		✓				✓	✓
ESSENTIALS ULTRA	✓	✓		✓	✓	✓		✓	✓
INSPECT BASIC	✓							✓	✓
INSPECT PREMIUM	✓	✓		✓				✓	✓
INSPECT ULTRA	✓	✓		✓	✓	✓		✓	✓
DESIGN BASIC	✓		✓	✓				✓	✓
DESIGN PREMIUM	✓	✓	✓	✓				✓	✓
DESIGN ULTRA	✓	✓	✓	✓	✓	✓		✓	✓
POWERPACK BASIC	✓		✓	✓				✓	✓
POWERPACK PREMIUM	✓	✓	✓	✓				✓	✓
POWERPACK ULTRA	✓	✓	✓	✓	✓	✓		✓	✓

ADD THE COMPLIANCE MODULE FOR ANY PREMIUM OR ULTRA NETWORK EDITION!
Compliance is not available with Basic or Single User options 