



Product Overview

Ansys Granta MI Pro

A fast-start materials data management solution for design and simulation.

Build and maintain a source of approved materials information, combining in-house data with reference data from Ansys Granta; instantly available to CAD designers and CAE analysts.

/ Get Started. Fast.

Design and simulation teams need correct, accurate and consistent materials data as input. Ansys Granta MI Pro makes it easy to build a materials database that combines company-approved proprietary data with valuable reference data from Ansys Granta.

The database is accessible through embedded apps in leading design (CAD) and simulation (CAE) tools — see table 1.

Design/Simulation software	Granta MI Pro
Ansys Workbench	
Ansys Electronics Desktop	
Ansys Discovery	
PTC CREO	
Siemens NX	
Altair Hypermesh	
Simulia Abaqus	
Other*	

	MI Materials Gateway
	Ansys wider Integration
	File-base transfer*

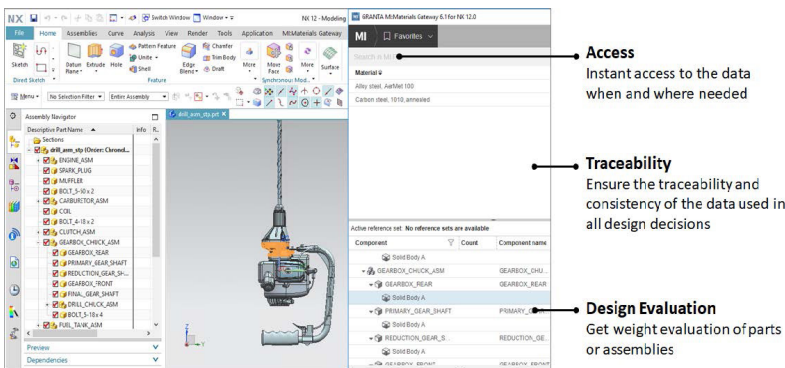
Table 1. Granta MI Pro capabilities chart

/ Key Benefits

- **Improve productivity** by enabling your teams to find material data fast and avoid duplicated effort.
- Ensure **consistency and accuracy** across design and simulation teams by assigning material cards digitally.
- Deploy approved or **preferred materials** list data to your team in a controlled manner.
- Access a library of **Granta material reference data** to support the early phases of simulation.
- **Out-of-the-box** solution that is **easy to install**, needing **zero services** and is **quick to scale** if needed.

/ Material Cards Go Digital

Engineers can search material cards and assign to their CAD or CAE model in just a few clicks. This removes potential inaccuracies or human error in inputting this data. They can also use a web app to access more detailed property data, reviewing and comparing materials before assignment. Apply the associated data using density data for weight roll-ups in CAD or complex materials models to support advanced simulations. Easily reapply assignments made in CAD into CAE.



/ A Library of Material Properties and Models

Granta MI Pro is preloaded with materials data for design and simulation from Ansys Granta, the leader in materials information. Thousands of datasheets cover a wide range of materials classes, detailing physical, thermal and electromagnetic properties. Data is ready to use in simulation, saving time and removing the risk of error when data must be converted for use in CAE tools.

/ Manage Valuable Proprietary Data

Granta MI Pro is based on a database system for managing in-house materials property data. Simple tools make it easy to import and manage new information from suppliers. Create and control a source of approved data for design and simulation teams, ensuring that data retains full traceability to its source.

/ Need More Flexibility Across The Enterprise?

What if you need to move beyond the needs of design or simulation teams? Or manage complex interrelated data from materials testing or additive manufacturing projects? Or require integration with critical business systems, such as PLM?

Ansys Granta MI Enterprise is the industry-leading database system for managing corporate materials information. It provides flexible and powerful tools to meet all needs of the enterprise. Granta MI Pro enables you to benefit from these capabilities in a focused way, with an option to upgrade.

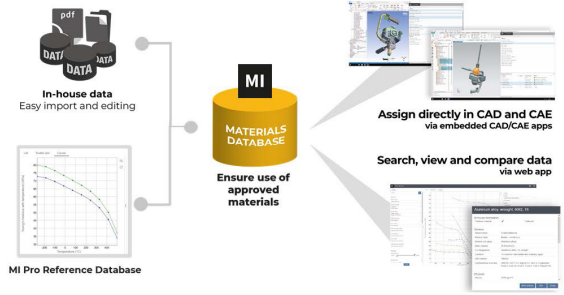


Figure 2. Ansys Granta MI Pro architecture.

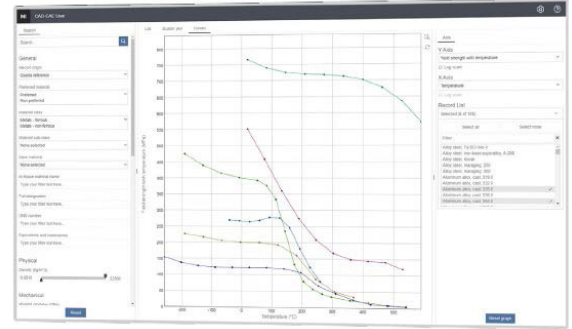


Figure 3. You can search, browse, and compare materials property data via the Granta MI Pro web app before assigning a material in CAD or CAE.

What do I Buy?

- **Ansys Granta MI - Pro Server** provides the core database system and data import and management tools. The Granta MI Pro Server license also includes materials reference data for simulation from Granta.
- **Ansys Granta MI - User** is required for each user of the system.
- **Optional extra** — Aero Bundle



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