

Using Ansys Granta Research Selector for Academic Research

MATERIALS DATA, SELECTION AND SUSTAINABILITY

Ansys Granta Research Selector offers multiple reference databases and tools to support an academic research project including material/process selection and optimization steps. You can rapidly find the best materials for any application then directly export materials property data; compare your in-house experimental research data with built-in comprehensive materials data; synthesize hybrid materials and assess their properties; use data visualization and analysis tools to guide through the whole research project and support advanced educational reports and all kinds of publications.

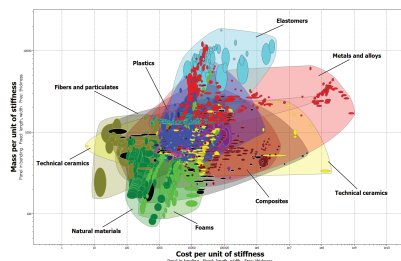
Useful Webinars

- 1) "High Level Material Data for Research Projects", recording available [here](#);
- 2) "Materials Selection in research and teaching: an aerospace additive manufacturing example", recording available [here](#);
- 3) "Finding the Most Cost-Effective Material for Your Application", recording available [here](#).

Example Resources

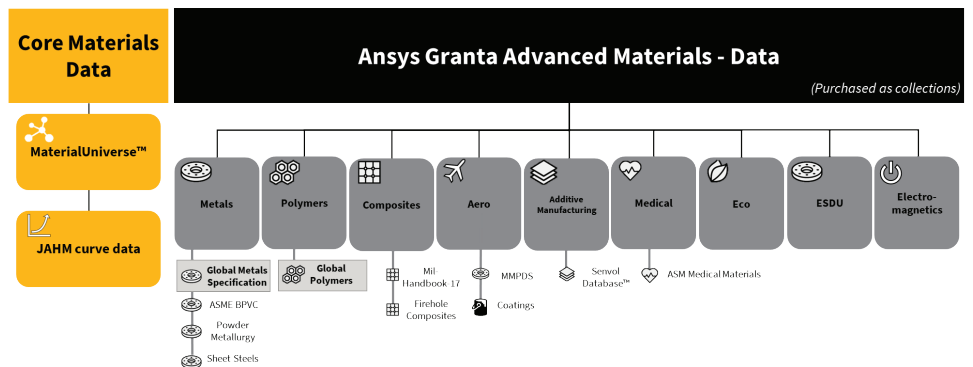
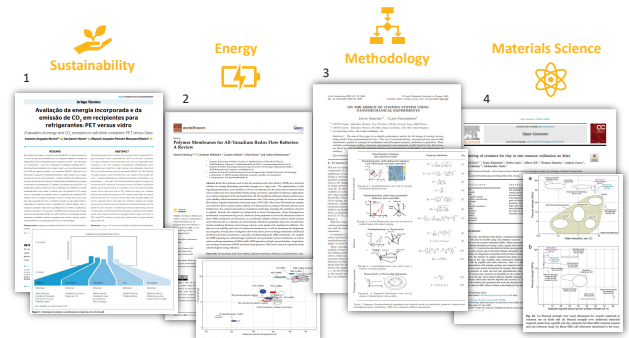
- 1) "Case Study: Materials Selection for a Heat Sink with Ansys Granta Selector", download available [here](#);
- 2) "White Paper: Materials for the Electrification of the Powertrain", download available [here](#);
- 3) "Industrial Case Study: Airinum Uses Ansys Granta Selector to Identify New Textile Materials for Masks, Reducing Environmental Impact", download available [here](#);

Access to industry standard advanced data, and tools to analyze the data



Ansys Granta Research Selector supports academics in conducting state of the art research, based on strong reference data. And it gives academics the right to use the data for publishing peer reviewed scientific papers.

- Access to multiple reference databases, such as materials, processes, and providers
- Add in-house materials data using existing schema and compare with materials in the database
- Export simulation ready materials data for a wide range of simulation and CAD/CAE software
- Straightforward evaluation of the environmental impact of your product



Depending on your research needs, you can choose to add [advanced materials data-bundles](#) covering different material families or use cases to the Core materials data available in the software

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