



Getting Started with GRANTA Selector

Cover Sheet



Recommended order of exercises

The Getting Started exercises provide an overview of the key tools and features in GRANTA Selector, and form a set of tutorials to help you familiarize yourself with the software. You can choose whether to work through them in order, or complete only the exercises relevant to you. They are intended for use with GRANTA Selector 2020, and may not work correctly with earlier or later versions of GRANTA Selector.

This document provides a short description of each set of exercises, and a recommended order to complete them in if you are new to the software. Exercises which are not pre-requisites for others have a description typeset in gray, like this.

Browse, Search and Chart: An introduction to the main selection tools in GRANTA Selector, in addition to exercises covering use of the Browse and Search tools to find materials, and how to plot material properties from the database.

Save and Copy: Saving, exporting and copying selection projects and materials data.

Functional Data: Some properties within the databases are stored as functional (curve) data, meaning that data is available for a number of different conditions. This set of exercises covers how to view and specify parameters for functional data.

Compare and Find Similar: This set of exercises covers how to compare the performance of different materials with a Comparison Table, or use the Find Similar tool to find records with similar properties to an existing material.

Selection Stages and Engineering Solver: This set of exercises covers how to use each of the three types of selection stage in GRANTA Selector (Chart, Limit and Tree), and how to use the Engineering Solver tool to calculate material properties for use in the Limit Stage.

Customize Charts and Data: This set of exercises covers how to customize charts, plot custom data, and define custom subsets for selection.

Select using advanced Chart Stage tools: Advanced selection techniques and how to apply them in a Chart Stage; plotting combined properties, using performance indices, and creating trade-off plots.

Eco Audit tool: This set of exercises guides you through a case study using Eco Audit, comparing the environmental impact of two plastics used to make water bottles.

Synthesizer tool: Estimate either the properties of hybrid materials, or the overall cost of a product with the Synthesizer tool.

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