Getting Started with Granta Selector

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. 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 are 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 / 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 / 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 / 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 exercise set guides you through a case study using Eco Audit, comparing the environmental impact of two plastics used to make water bottles.

Synthesizer tool / Estimate the properties of hybrid materials, the overall cost of a product, or the properties of battery modules and packs with the Synthesizer tool.