

Quick Help for CAMPUS[®]-i

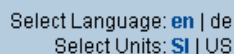
What is CAMPUS[®]-i?

CAMPUS[®]-i is the online version of the plastics material database CAMPUS[®]. With CAMPUS[®]-i you do not have to download and install anything in order to view product properties, generate data sheets or search products, e.g. by properties, chemical formula or regional availability.

Using CAMPUS[®]-i:


After starting CAMPUS[®]-i the program will display the full list of products in the “Data Sheet” view.

You can select the English (en) or German (de) language or switch between international (SI) or U.S. (US) units by using the links in the upper right part of the screen:

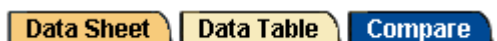


Select Language: [en](#) | [de](#)
Select Units: [SI](#) | [US](#)

You can use the arrows  above the product list to navigate within the list.

In order to view the properties of a specific product simply click on the product name. The properties are displayed in the right portion of the screen. If you want to print a data sheet of the product click on the Data Sheet icon 

Tabs in the left column of the CAMPUS[®]-i screen:



These tabs define the so-called views, i.e. the way the products and their properties are displayed on the screen.


Data Sheet

- Displays a list of products on the left hand side and information on the selected product on the right hand side. The list of products can be reduced through a Search for Grades or Polymers or by an Advanced Search (see below).
- To view the properties for a specific product click on the product name and select what you want to view using the tabs on the right hand side of the screen.

- Available information includes:
 - **PROPERTIES** tab: Single point properties (e.g. mechanical, thermal, electrical), test specimen production parameters, chemical resistance information and diagrammes on multipoint data (see below).
 - **GENERAL** tab: Product characteristics, Product text and Processing information.
 - Multipoint data cover properties such as
 - $\eta - \dot{\gamma}$ = diagram of viscosity vs. shear rate
 - $\tau - \dot{\gamma}$ = diagram of shear stress vs. shear rate
 - $G - T$ = diagram of dynamic shear modulus vs. temperature
 - $\sigma - \epsilon$ = diagram of stress vs. strain
 - $E_s - \epsilon$ = diagram of secant modulus vs. strain
 - $\sigma_{iso} - \epsilon$ = isochronous stress – strain diagrams
 - $p_v T$ = specific volume vs. temperature
 - E_t = creep modulus vs. time
 - $E_t - T$ = tensile modulus vs. temperature

(which of these data are available depends on the product).


Data Table

- Allows you to generate a table of products showing certain properties selected by you as table columns
- Click on the link **Define table columns**, select the properties which you want to display in the table and then click on **Apply**.
- Pressing  clears everything and return to the full list of products in the Data Sheet view

Compare

- Allows you to compare the properties of up to three products side by side.
- Go to the Data Sheet or the Data Table view, select up to three products by setting the check mark in the field in front of the product name and then click on the **Compare** tab. The results will be displayed in the right part of the screen.
- An important part of the **Compare** functionality is the possibility to overlay multipoint data of several products: Select the desired grades, click on the

Compare tab and then on the **Dia** (Diagram) tab in the right part of the screen. A pop-up window will open allowing you to select and specify the curves.

- Pressing  clears everything and return to the full list of products

Searching for Grades or Polymers:

To search for a specific product or polymer please type a search string in the respectively fields (“Grade Name” or “Polymer”) in the upper left portion of the screen and then press “Search” on the right side of the screen. The search is case-insensitive.




- A search by “Grade Name” returns products which contain the given string in any position of their names. If you wish to define the entered string as the beginning of the required names, add an asterisk (*) to the end.

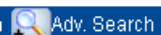
Example:

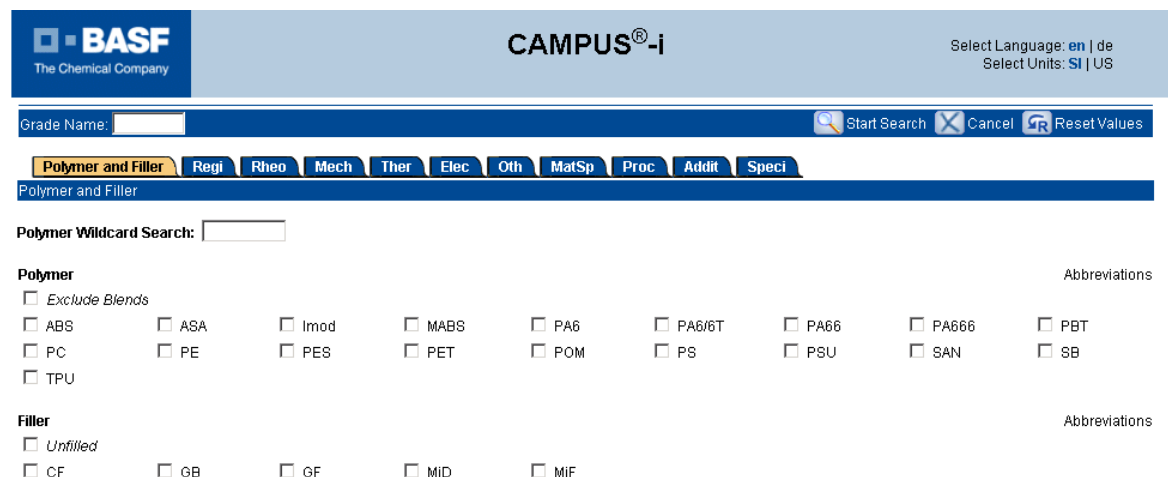
Searching for *Luran* will return Luran, Luran S and Terluran.

Searching for *Luran** will return Luran and Luran S only.

- The “Polymer” search returns all polymers which contain the given string.
Example: Searching for *PA6* will find all polymers containing this string in their chemical denomination (e.g. PA6, PA66, PA666, PA6-GF30, ABS+PA6, etc.)
- Pressing  clears all search criteria and return to the full list of products

Advanced Search:

Use the  button to search products by polymers and types of fillers, by properties or property ranges (e.g. ranges for certain mechanical or other physical properties), by regional availability, etc.






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- Select the parameters for your search. When searching for ranges of physical values (e.g. tensile modulus) set a check mark before the name of the property and define the value range.
- Click **Start Search** to execute the search.
- **Cancel** cancels the advanced search and returns to the Data Sheet view
- **Reset Values** clears all selected search criteria and allows you to enter new search parameters.
- Search results will be displayed in the Data Table view format.

Important: Once you have done a normal or an advanced search and have finished looking at the search results do not forget to press  **Reset** in the upper right part of the screen in order to clear all search criteria and return to the complete list of products.