

1. Item Master Data

1.1. User Defined Fields

Produmex Manufacturing extended the standard SAP Item Master Data with the following user defined fields:

The screenshot displays the SAP Item Master Data form for item 'mM1101'. The form is divided into several tabs: General, Purchasing Data, Sales Data, Inventory Data, Planning Data, Production Data, Properties, Remarks, and Attachments. The 'General' tab is active, showing fields for Item No., Description, Foreign Name, Item Type, Item Group, UoM Group, Price List, Bar Code, and Unit Price. The 'Planning Data' tab is also visible, showing fields for Planning Method, Procurement Method, Order Interval, Order Multiple, Minimum Order Qty, Lead Time, and Tolerance Days. The 'Properties' tab is active, showing fields for Is Unfinished Product, Item Role, Items per Production Unit, Lead Time Type, MTO Planning, NeedsPDC Approval, Obsolete Tolerance Days, Production Multiple, Production UoM, Profit Center, Safety Lead Time, Use Item Groups Tolerance Days, Cost Schema, BXPPS SubGroup, and Price Schema.

Is Unfinished Product

Defines whether the item is an unfinished product or not. Unfinished products are used only when working with [outsourced manufacturing](#). Set the 'Planning method' on the 'Planning Data' tab to 'None' to prevent MRP to make recommendations. Make sure that the Valuation Method of the item is 'Standard'.

Lead time type

Defines whether the lead time is calculated in calendar days or weekdays.

Safety Lead Time

Defines the earliest date when a purchased material is available. When there is a Safety Lead Time added, the Begin Date of a Purchase Recommendation is calculated as {Due Date - (Lead Time + Safety Lead Time)}.

Item role

Indicates whether it is an item or an operation. Items with the role 'Item' work as standard SAP items. Items with the role 'Operation' represent manufacturing operations on the BoM or production order. Operation items can be specified further on the [Operation Details](#) forms. This field cannot be modified

manually.

MTO planning

Defines whether the item is taken into account in [MTO planning](#) or not.

NeedsPDC approval

Defines whether the [PDC bookings](#) related this items has to be approved by an appointed employee or not.

Use Item Groups Tolerance Days

If set to 'No', during the MRP the Tolerance Day set on the 'Planning Data' tab will be taken into account. If set to 'Yes', the MRP will calculate with the Tolerance Day set for the item group the item belongs.

Cost Schema

Add a [cost schema](#) to the item.

Price Schema

Add a [price schema](#) to the item.

1.2. Right-click menu



1.2.1. Material Account

The item flow can be viewed in the Material Account Grid or Diagram.

On the grid the current stock level of each warehouse and the planned receipts/issues are listed. By default the displaying period is three months starting from the current day, but the period can be modified by changing the values of the 'From Date' and 'To Date' fields.



On the 'Material Account Diagram' form stock flow is displayed on a graph.

If the 'Graph Filter' value is 'All Warehouses', the material flow is displayed separately for each warehouse among the total flow. If the value is 'Only Total', then only the consolidated flow is displayed. Select the displaying scale from the 'Graph Scale' dropdown list.

When the mouse cursor is moved over the circled arrow icons, a bubble shows details about that transaction; if the icon is clicked the appropriate production, purchase, etc. order form is opened. The up arrow shows incoming, the down arrow outgoing inventory transactions.

Red areas indicate stock deficit while green areas show stock availability.



1.2.2. Calculate Bills of Materials

Please see: [Cost Calculation](#)

1.2.3. List of Calculated Bill of Materials

Please see: [Cost Calculation](#)

When duplicating an item that has a Bill of Materials, the system will ask whether to duplicate the BoM too.



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