

# Create Semi-finished (HALB) Material

## Use

A new semi-finished material is needed for manufacturing / trading or service industry.

## Procedure

1. Access the transaction using the following navigation option:

### SAP Graphical User Interface (SAP GUI)

<b>SAP ECC Menu</b>	<i>Logistics → Materials Management → Material Master → Material → Create (General) → Immediately</i>
<b>Transaction code</b>	<b>MM01</b>

2. On the initial screen, enter the following values and choose **Enter**.

Field name	User action and values	Comment
<i>Material</i>	<Semifinished material number>	Leave empty for internal number assignment or enter your own number
<i>Industry sector</i>	<b>F Manufacturing - Food</b>	
<i>Material type</i>	<b>HALB</b>	Semi finished products

3. On the Select View(s) dialog box *Select*:

View name	User action and values		Comment
Basic Data 1, Basic Data 2	required		
Classification	Optional for manufacturing / trading	Do not select for Services	Only required if you want to use batch management
Sales: Sales Org. Data 1, Sales Org. Data 2, General/Plant Data, Sales Text	required		
Foreign Trade Export	Optional for manufacturing / trading	Do not select for Services	Only required if you want to sell the material abroad
Purchasing, Purchase Order Text	Select for manufacturing / trading	Do not select for Services	
MRP1, MRP2, MRP3, MRP4	Select for manufacturing / trading	Do not select for Services	
Work Scheduling	Select for manufacturing / trading	Do not select for Services	
General Plant Data / Storage 1, Storage 2	required		
Warehouse	Select for manufacturing /	Do not select for	

View name	User action and values		Comment
management	trading	Services	
Accounting 1 and 2	required		
Costing 1 and 2	Select for manufacturing / trading	Do not select for Services	

4. Choose **Enter**.

Field name	User action and values	Comment
<i>Plant</i>		Choose from dropdown list.
<i>Stor. location</i>		Choose from dropdown list.
<i>Sales Org.</i>		Choose from dropdown list.
<i>Distr.Channel</i>		Choose from dropdown list.
<i>Warehouse No.</i>		Choose from dropdown list. Do not use in services.

5. Choose **Enter**.



Materials are first created in the primary procurement/production plant.



To view the material lists run the transaction **MM60** or the menu path *Logistics* → *Materials Management* → *Material Master* → *Other* → *Materials List*.

## Basic Data

1. On the **Basic Data 1** tab, enter the following values and choose **Enter**.

Field name	User action and values	Comment
<i>Description</i>	<enter description>	
<i>Base Unit of Measure</i>	<enter Base Unit of measure>	Choose a discrete unit of measure to avoid problems in the following steps.
<i>Material Grp</i>		Choose appropriate material group.
<i>Old material number</i>	<enter the legacy material number if known>	not mandatory
<i>Prod. hierarchy</i>	<see special instructions>	Not used for services.
<i>Lab/Office</i>	<enter key of design office, lab, or lab worker responsible>	
<i>Division</i>		enter appropriate division
<i>GenItemCatGroup</i>		
<i>Gross weight</i>	<enter gross weight>	
<i>Weight unit</i>	<enter weight unit>	
<i>Net weight</i>	<enter net weight>	

2. Choose **Enter**.

- On the **Basic data 2** tab, choose **Enter**.



For product hierarchy, use the drop - down selection tool. At each level, click once on the appropriate level, then choose **Next Level**. When you reach the appropriate end, choose the **Choose** button.

## Classification

(Only required for materials subject to batch management)

- On the **Classification view** tab, on the **Classification screen**, enter the following values and choose **Enter**.

Field name	Values FIFO	Values Expiration Date
<i>Class Type</i>		Choose from dropdown list.
<i>Class</i>		Choose from dropdown list.

- Choose the **Sales: sales org 1** tab or choose **Goto next screen (F8)**.



Only assign one class depending how you want control the material master record.

## Sales Data

- On the **Sales: sales org. 1** tab, enter the following values, and choose **Enter**.

Field name	User action and values	Comment
<i>Delivering plant</i>		enter the primary plant for outbound deliveries
<i>Tax classification</i>		for taxable

- On the **Sales: sales org.2** tab, enter the following values, and choose **Enter**.

Field name	User action and values	Comment
<i>Material statistics group</i>		Choose from dropdown list.
<i>Acct assignment grp</i>		Choose from dropdown list.
<i>Item category group</i>		Choose from dropdown list.

- On the **Sales: General/plant tab**, enter the following values and choose **Enter**.

Field name	User action and values	Comment
<i>Availability check</i>		Choose from dropdown list.
<i>Trans. Grp</i>		choose the appropriate transportation group
<i>LoadingGrp</i>		choose the appropriate loading group
<i>Profit Center</i>		For profit center, use the dropdown selection tool.
<i>SerialNoProfiles</i>		Use for Services

- On the **Sales text** tab, enter text that should appear on sales documents for this material.
- Choose the **Foreign Trade Export** tab.

6. On the **Foreign Trade export** tab, enter the following values and choose **Enter**.

Field name	User action and values	Comment
<i>Comm./ import code</i>		
<i>Country of Origin</i>		
<i>Region of Origin</i>		



Foreign trade data is only required if you want to sell the material in other countries (export)

7. Choose the **Purchasing** tab.

## Purchasing Data

1. On the **Purchasing** tab, enter the following values and choose **Enter**.

Field name	User action and values	Comment
<i>Purchasing group</i>	<enter purchasing group>	enter your purchasing group number

2. On the purchase order text screen, enter text that should appear on purchasing documents for this material.

3. Choose the **MRP1** tab.

## MRP Data

1. On the **MRP1** tab, enter the following values and choose **Enter**.

Field name	User action and values	Comment
<i>MRP type</i>	<b>PD</b>	MRP
<i>MRP controller</i>	<enter MRP controller>	Enter your MRP controller number (plant-specific) - Similar to purchasing group
<i>Lot size</i>	<b>EX</b>	

2. On the **MRP2** tab, enter the following values and choose **Enter**.

Field name	User action and values	Comment
<i>Procurement type</i>	<b>E or X</b>	scenario-specific
<i>Special procurement</i>	<b>&lt;blank&gt;</b> for primary plant <b>40</b> when material is transferred from another plant see also special instructions below	plant-specific / scenario-specific
<i>Prod. Stor. Location</i>	<enter shop floor storage location>	plant-specific
<i>Storage loc. for EP</i>	<enter storage location for raw materials storage>	plant-specific
<i>In-house production</i>	<enter total production time for when material is produced on site>	scenario-specific
<i>SchedMargin Key</i>		Choose from dropdown list.
<i>Stock determination group</i>		scenario-specific
<i>Planned Delivery Time</i>	<enter planned delivery time>	scenario-specific

3. On the **MRP3** tab, enter the following values and choose **Enter**.

Field name	User action and values	Comment
<i>Strategy group</i>	<b>40 or 10</b>	choose appropriate strategy group depending on your business conditions
<i>Consumption mode</i>	see special instructions below	
<i>Bwd consumption per</i>	enter number of days into past MRP will consume forecast requirements	scenario-specific
<i>Fwd consumption per</i>	enter number of days into future MRP will consume forecast requirements	scenario-specific

4. On the **MRP4** tab, enter the following values and choose **Enter**.

Field name	Description	User action and values	Comment
<i>Individual/coll.</i>		<b>&lt;blank&gt;, 1, 2</b>	Determines how dependent requirements are controlled
<i>Repetitive manufacturing</i>		<select if you want to use this material for repetitive manufacturing >	scenario-specific
<i>REM profile</i>			scenario-specific. Only assign profile if you have selected the flag <i>Repetitive manufacturing</i>

5. Choose **Enter**.



In this section you can find additional information how to maintain the special procurement key and how to maintain the consumption mode.

External materials:

- Procurement type () X
- External procurement () 20

Subcontract materials:

- Procurement type () F
- Special procurement () 30

Stock transfer materials:

- Procurement type () F
- Special procurement () 40 or appropriate entry for plant transfer

Phantom assembly

- Procurement type () E
- Phantom assembly () 50

For Consumption mode, there are four possible entries:

1. Backwards only
2. Backwards/Forwards
3. Forwards only
4. Forwards/Backwards

Based on the entry chosen, fill in **Bwd consumption per.** and **Fwd consumption per.** appropriately (leaving blank if necessary).

## Work Scheduling Data

1. On the **Work scheduling** tab, enter the following values and choose **Enter**.

Field name	User action and values	Comment
<i>Production scheduler</i>		scenario-specific
<i>Production Scheduling Profile</i>		scenario-specific
<i>Underdelivery tolerance</i>		scenario-specific
<i>Overdelivery tolerance</i>		scenario-specific
<i>Lot-size independent Inhouse production time</i>		number of days for inhouse production
<i>Serial no. profile</i>		

## General / Storage Data

1. Choose the **Plant data/stor.1** tab. If your material is subject to batch management, choose Organizational levels. (If your material is not subject to batch management, you can skip to step 4).
2. On the **Organizational levels screen** delete any value in input field *Plant* and press **Enter**. The fields are on client level and not on plant level.
3. Enter the following values:

Field name	Description	User action and values	Comment
<i>Batch Management</i>		Set indicator	Only set if your material is subject to batch management
<i>Period Ind. For SLED</i>	Period indicator for shelf life expiration date	D (days)	Only required if material is subject to batch management with the expiration date search strategy
<i>Min. Rem. Shelf Life</i>	Minimum remaining shelf life	Enter the minimum remaining shelf life	Only required if material is subject to batch management with the expiration date search strategy
<i>Total shelf life</i>		Enter the total shelf life	Only required if material is subject to batch management with the expiration date search strategy
<i>Storage Condition</i>		10 or 20	Use value 10 for services.

4. Choose **Enter**.
5. Choose the **Plant data/stor. 2** tab, and choose **Enter**.

## Warehouse Data

1. Choose the **Warehouse mgmt.1** tab, and choose **Enter**. All required data are defaulted into the warehouse view.

## Accounting Data

1. On the **Accounting 1** tab, make the following entries and choose **Enter**.

Field name	User action and values	Comment
<i>Price unit</i>		
<i>Price control</i>		
<i>Standard price/Moving Price</i>		
<i>Valuation Class</i>		Choose from dropdown list.

2. Choose the **Accounting 2** tab, and choose **Enter**.



Values for price unit, valuation class and price control default into the view. You may change price unit and price control if required for your data.

## Costing Data

### Prerequisites

For the SpecProcurement Costing field, if the standard cost should be copied from the same material in a different plant, and no value was entered in the Special Procurement field on MRP2, and then enter the appropriate value here.

1. On the **Costing 1** tab, make the following entries and choose **Enter**.

Field name	User action and values	Comment
<i>Material origin</i>	select the checkbox	
<i>With Qty Structure</i>	select the checkbox	
<i>SpecProcurement Costing</i>	<optional (see special instructions above)>	
<i>Variance key</i>		

2. On **Costing 2** tab, choose **Enter**.
3. A **Last data screen reached** dialog box displays.
4. Choose **Yes** to save.

### Result

The semi-finished material is created.