Create material master in SAP MM01

Material Master Records contain all the data about materials that are procured, produced, stored, or sold at a company. There are over 200 possible fields available in the Material Master.

For our purposes, we're going to look at how to create a raw material that can be procured. To do this, we'll go into transaction code, mm01. The first field we want to enter is Material. This is what we're going to call the material. We're creating a titanium screw.

So we'll call our material TS5. Next is our Industry Sector. We'll click the drop down and choose Retail. The next field is our Material type. This is a raw material. So we'll click in the field and type R and choose Raw materials. A big shortcut when we're creating a material that is similar to another material that already exists in our system is the Copy from area. By entering the material we want to reference, most of the attributes of that material will be copied in. This can save a lot of input time. In this instance, we're creating from scratch, so we'll press Continue.
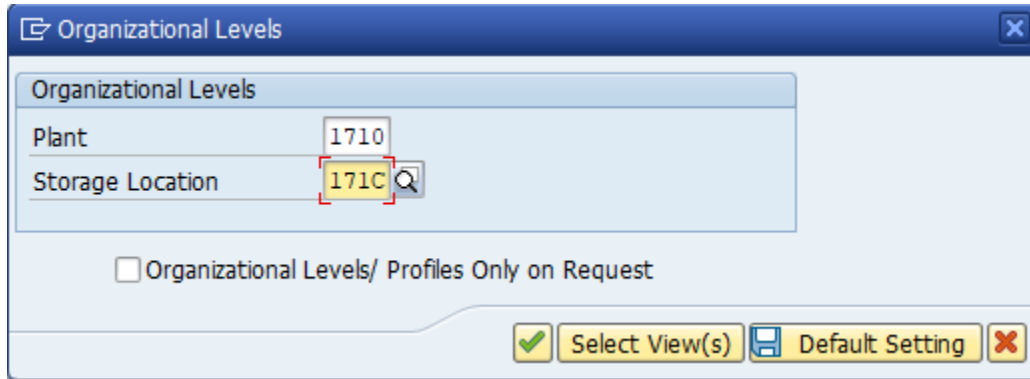
This brings up the Select Views pop up with the 29 views that we can create for this one raw material. In this demonstration, we're most interested in creating the material so we can purchase it and use it in production. So we'll select Basic Data 1, Purchasing, and General Plant Data Storage 1, and click Continue.

That brings up our Organizational levels pop up screen. This defines where the material is being created for organizationally. For Plant, we'll choose the match code button and choose plant 1710. And for Storage Location, we'll choose 171C, Raw Materials. Now we'll press Continue.

| Basic data 1 | Basic data 2 | Ext. SPP Basic Data | Purchasing | Intl Trade: I... |

Material   TS5

Descr.   medium titanium screw

General Data

Base Unit of Measure	PC Piece	Material Group	L002
Old material number		Ext. Matl Group	
Division		Lab/Office	
Product allocation		Prod. Hierarchy	
X-Plant Mat.Status		Valid from	
Assign effect. vals	☐	GenItemCatGroup	

Material authorization group

Authorization Group	

Dimensions/EANs

Gross Weight	35	Unit of Weight	G
Net Weight	35		
Volume	0,000	Volume Unit	
Size/dimensions			
EAN/UPC		EAN category	

We're now brought into our Create Material screen. Now we have to enter the Description field. In our description, we'll call this material medium titanium screw. Below, in the General Data area, we'll enter our base unit of measure as that's also required. The unit of measure varies depending on what we're selling. It could be inches or pounds. For our material, we want to buy it per screw, so we'll use PC for pieces. The next field is Material Group, which is used to group similar materials together. We'll click the match code button, and choose L002 for raw materials. Now we'll scroll down to the Dimensions area. These are the actual dimensions of our product. Our screws are 35 grams, so we'll enter 35 in the Gross weight field, and G for grams in the Weight unit field. We're going to assume this material doesn't have any packaging, so we'll enter 35 in the Net weight field as well. That's all the information we need to enter on Basic data 1, so we'll press Enter.

| Ext. SPP Basic Data | Purchasing | Intl Trade: Import | Purchase order text |

Material	TS5
Descr.	medium titanium screw
Plant	1710 Plant 1 US

General Data

Base Unit of Measure	PC	Piece	Order Unit		Var. OUn
Purchasing Group	001		Material Group	L002
Material Status			Valid From	
Tax ind. f. material			Qual.f.FreeGoodsDis.	
Material freight grp			Autom. PO	
Batch management				
Batch management(Plant)				

Purchasing values

Purchasing value key			Shipping Instr.		
1st Reminder/Exped.	0	days	Underdel. Tolerance	0,0	percent
2nd Reminder/Exped.	0	days	Overdeliv. Tolerance	0,0	percent
3rd Reminder/Exped.	0	days	Min. Del. Qty in %	0,0	percent
StdValueDelivDateVar	0	days			
Unltd Overdelivery					
Acknowledgment Reqd.					

By pressing Enter, we're automatically brought into the next view which is called Purchasing. In this tab, there is one very important field that is not already filled in, that's the Purchasing Group. The Purchasing Group is a group of buyers responsible for purchasing activities. They're going to be the group responsible for purchasing this specific raw material that we're creating. We'll click the match code button and choose Group 001. We're complete on the Purchasing tab and we'll press Enter again.

| Plant data / stor. 2 | ✓ Plant stock | Stor. loc. stck | WM Execution | WM Pac... | ◄ ► |

Material   TS5
Descr.   medium titanium screw
Plant   1710   Plant 1 US

General data

Base Unit of Measure	PC	Piece
Current period	04 2024	Previous period 03 2024
Invent. corr. factor	0,00000	

Plant stocks in the current period

Unrestricted	0	Unrestr. Consignment	0
Restricted-Use Stock	0	Restr. Consignment	0
Quality Inspection	0	Cnsgt in Inspection	0
Blocked	0	Blocked Consignment	0
Returns	0		
Stock in transfer	0		
In transfer (plant)	0	Stock in Transit	0

Plant stocks in the previous period

Unrestr.-use stock	0	Blocked	0
Restricted-use stock	0	Returns	0
In quality insp.	0	Stock in transfer	0

We're now brought to the Plant Data Storage 1 tab. This tab has many fields that relate to how the material is to be stored. The storage conditions field determines the general storage criteria for our raw material. We'll choose the match code button, and we'll choose Storage condition 10. This denotes the general storage is okay. We've now entered all the data we need for this raw material. So we'll click Save.