

Product Groups are a way to aggregate part numbers into sets that allows you to approach standard SAP transactions in a manner different than you might in normal MRP controller codes or other sets. The main advantage to product groups are that part numbers can exist in multiple products groups (where as they can be in only MRP Controller code), and they can be sued by multiple people.

Product Groups are very useful in planning screens such as MD07 and MD)6, and can be used in the inventory analyses as well.

1. Process starts with the creation of a material master with material type "Product Groups" and industry sector "Mechanical Engineering" using transaction MM01.

Create Material (Initial Screen)

Select view(s) Organizational levels Data

Material

Industry Sector Mechanical engine...

Material Type Product groups

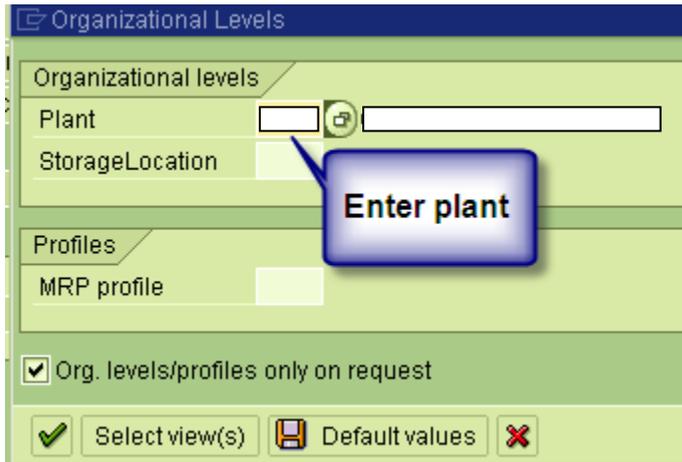
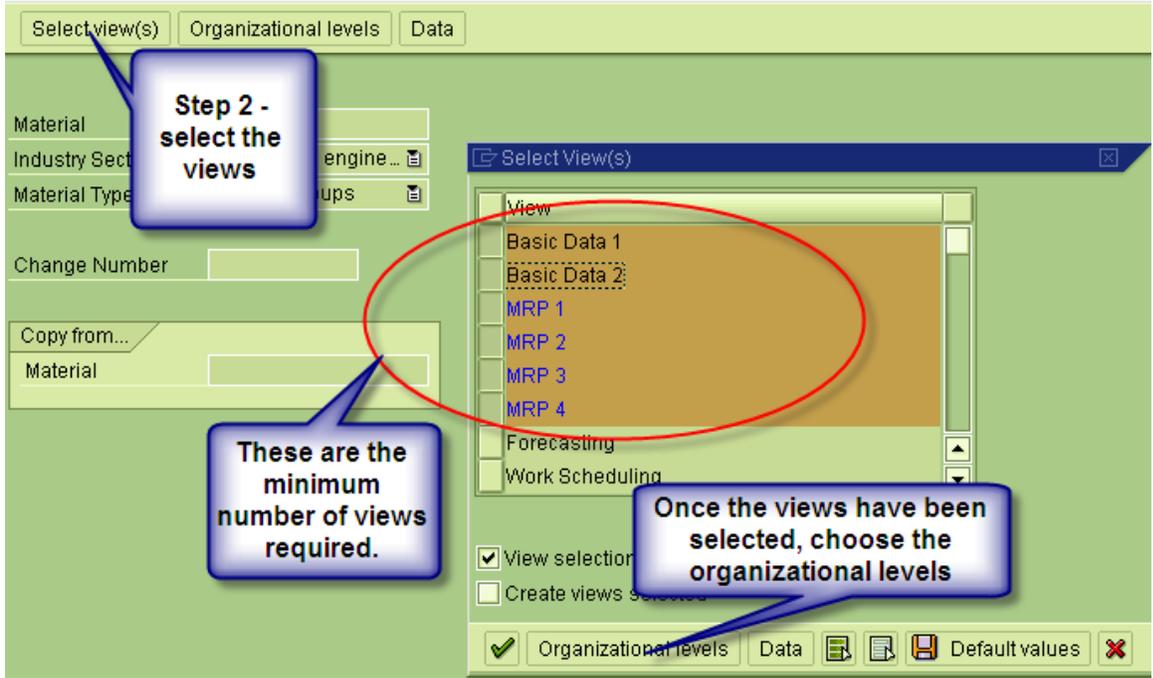
Change Number

Copy from...

Material

2. Next select the material master views and organizational levels.

Create Material (Initial Screen)



3. Enter values for the highlighted fields on each material master view listed below.

Create Material 52030668 (Product groups)

The screenshot shows the SAP Material Master view for material 52030668. The 'Basic data 1' tab is active. The 'Sample description' field is highlighted in yellow. Below it, the 'General data' section contains several fields: 'Base Unit of Measure' (EA), 'Material Group' (empty), 'Old material number' (empty), 'Ext. matl group' (empty), 'Division' (empty), 'Lab/Office' (empty), 'Product allocation' (empty), 'Prod hierarchy' (empty), 'X-plant matl status' (PR), 'm' (empty), and 'CatGroup' (empty). The 'Material authorization group' section shows 'Authorization Group' (1). The 'Dimensions/EANs' section includes 'Gross weight', 'Net weight', 'Volume', 'Size/dimensions', 'EAN/UPC', 'Unit', 'Volume unit', and 'EAN category'. The 'WEEE/RoHS' section shows 'Net Weight (WEEE)'. Callouts indicate: 'Always use EA.' for Base Unit of Measure, 'Always use PR.' for X-plant matl status, 'Always use []' for Lab/Office, 'Always use []' for m, and 'Always use []' for Net weight. A note says 'Business needs to determine naming convention.' pointing to the Sample description field.

Field	Value
Material	52030668
Sample description	[]
Base Unit of Measure	EA
Material Group	[]
Old material number	[]
Ext. matl group	[]
Division	[]
Lab/Office	[]
Product allocation	[]
Prod hierarchy	[]
X-plant matl status	PR
m	[]
CatGroup	[]
Authorization Group	1
Gross weight	[]
Net weight	[]
Volume	[]
Size/dimensions	[]
EAN/UPC	[]
Unit	[]
Volume unit	[]
EAN category	[]
Net Weight (WEEE)	[]

Basic data 1 Basic data 2 MRP 1 MRP 2 MRP 3

Material 52030668 Sample description

Other data

Prod./Insp. Memo Ind. S

Page Format CAD indicator

Basic Material

Environment

DG indicator profile Environmentally rlt

Highly viscous In bulk/liquid

No values need to be entered on Basic Data2 but you do need to enter to create the view.

Basic data 2 MRP 1 MRP 2 MRP 3

Material 52030668 Sample description

Plant

General data

Base Unit of Measure EA each MRP group

Purchasing Group

Plant-sp.matl status

MRP procedure

MRP Type ND

Reorder point Planning time fence

Planning cycle MRP Controller

Enter MRP type ND.

MRP 1 MRP 2 MRP 3 MRP 4 Forecasting W

Material 52030668 Sample description
Plant

Procurement
Procurement type X
Special procurement
Quota arr. usage
Storage loc. for EP
JIT delivery sched.
Stock det. grp
 Co-product

No values need to be entered on MRP 2.

MRP 2 MRP 3 MRP 4 Forecasting Work schedule

Material 52030668 Sample description
Plant

Forecast requirements
Period indicator P Fiscal Year Variant Z1

Planning
Strategy group
Consumption mode Bwd consumption per.
Fwd consumption per. Mixed MRP
Planni Planning plant
Plng c Planning matl BUnit

Availability check
Availability check Z2 Tot. repl. lead time
Cross-project

Enter period indicator P.

Enter fiscal year variant Z1.

Enter availability check Z2.



5. Save new material master.  Note similar process could be used to extend a material from one plant to another plant if the product group is relevant in more than one plant.

6. Call transaction MC86 to assign member materials to the newly created product group. It can also be used later to change the product group.

Change Product Group: Initial Screen

