

Altair® HyperWorks®

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Import Parts, Part Assemblies, and Part Instances

PDM parts and part assemblies can be imported into HyperMesh via a PDM generated PLMXML file.

1. From the menu bar, click **File** > (and then) **Import** > (and then) **BOM**.
2. Select a file that contains the parts, part assemblies, and part instances to import.
3. Define additional options as needed.
4. Click **Import**.

Import PDM Data

Import metadata from CAD to part. This facilitates visualizing CAD-centric metadata in the Part Browser and aids in the model build workflow.

1. From the Part Browser, right-click on a part and select **Metadata** > (and then) **Update** or **Metadata** > (and then) **Settings**.

Note: The Metadata option is only available when you right-click on parts.

2. If you selected **Update** in the previous step:
 - a. From the sub-menu, select **Part Data** or **PDM Data**.
 - Choose **Part Data** to update part metadata. The CAD file is parsed to extract the metadata without having to load the CAD representation into the session. After extraction, part metadata is immediately visible in the metadata section of the entity editor.
 - Choose **PDM Data** to update PDM attributes. The updates the PDM attributes for the selected map.

3. If you selected **Settings** in Step 1:

- a. From the sub-menu, select **Update** or **Mapping**.
 - The **Update** selection refers to the REM settings for part data and PDM data. You can choose whether to import only incoming data, or to keep both.
 - The **Mapping** selection refers to mapping CAD metadata to PDM attributes. These settings can vary depending on the CAD format. The following figure is an example of PDM mapping settings for the JT CAD reader.

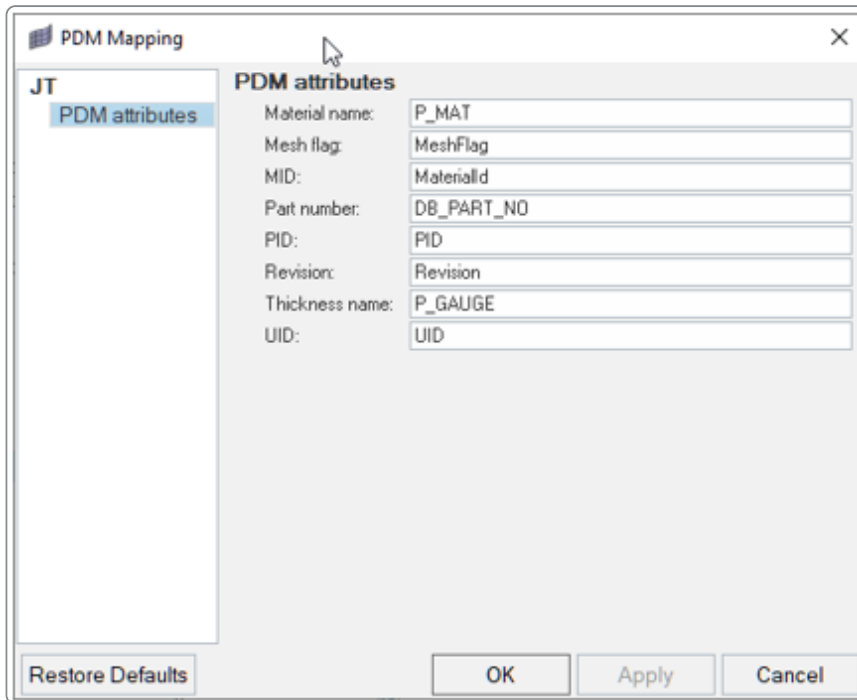


Figure 1.

Note: You can also access these settings by right-clicking in the part browser and selecting **Representations** > (and then) **Settings** > (and then) **Load** > (and then) **CAD** > (and then) **Load Options**.