Creating a common material library for all Solid Edge users

This Tech Tip looks at the easiest way to make a single material library for all Solid Edge users.

Use the Solid Edge Material Library to distribute a consistent set of materials and associated physical properties to all designers. Physical properties such as mass, volume, surface area, material, accuracy, and density can also be defined for use in the Teamcenter managed environment.

The best practice for implementing the exchange of the material, density, and accuracy properties in a managed environment is to set the property as owned

by CAD, driving the design from CAD.

The Material.mtl can be placed on a shared network location and Solid Edge Clients can set in the Options -> file location the path to this centralised

Material table.

Solid Edge physical properties such as mass, volume, and density can also be mapped. The following example specifies a Teamcenter Item Type of Document:

Material: ItemRevision.GRM(IMAN_master_form,DocumentRevision Master).

SE_Material/master=cad/description="Material"

Mass : ItemRevision.GRM(IMAN_master_form,DocumentRevision Master).

SE_Mass /master=cad /description="Mass, Physical Properties"

Volume : ItemRevision.GRM(IMAN_master_form,DocumentRevision Master).

SE_Volume /master=cad /description="Volume, Physical Properties"

Density : ItemRevision.GRM(IMAN_master_form,DocumentRevision Master).

SE_Density /master=cad /description="Density, Physical Properties"