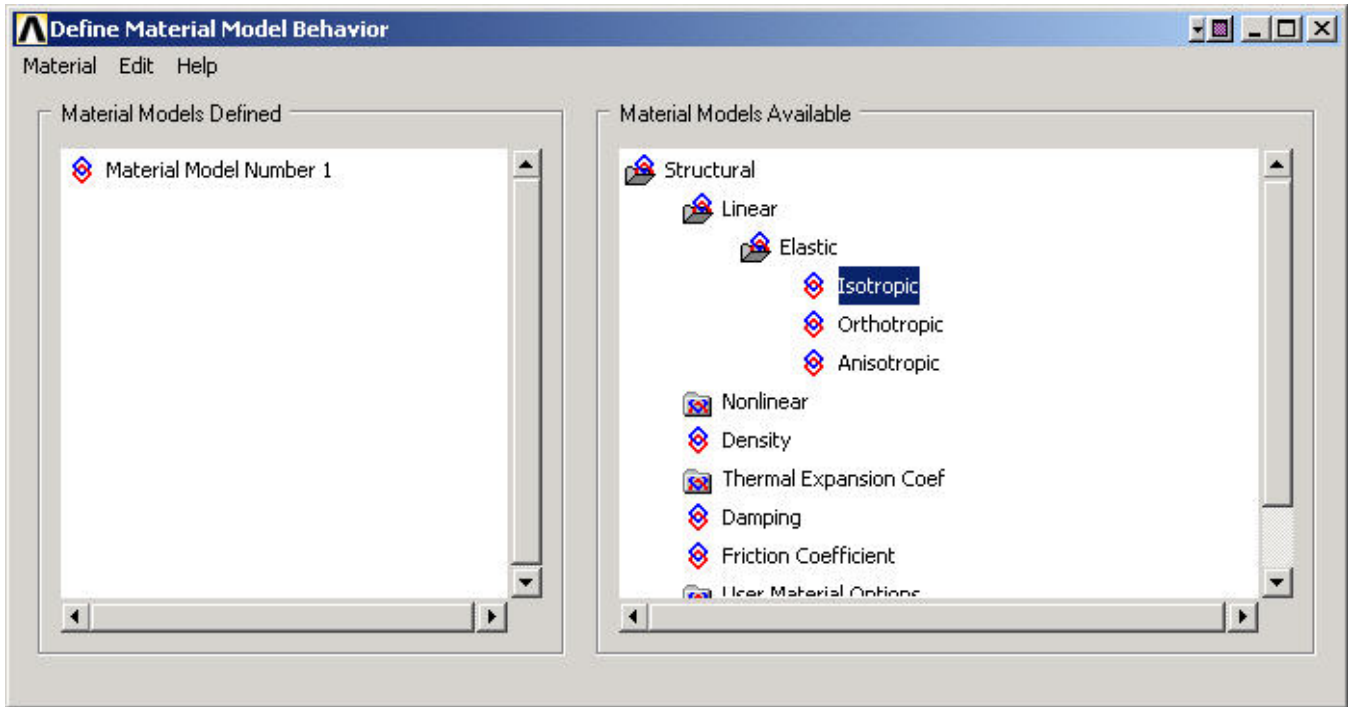


ANSYS - Crank 3 Specify material properties Content

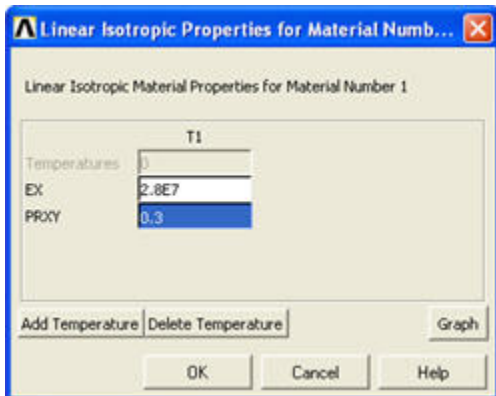
Step 3: Specify material properties

Main Menu > Preprocessor > Material Props > Material Models

In the *Define Material Model Behavior* menu, double-click on *Structural*, *Linear*, *Elastic*, and *Isotropic*.



We'll use the previously defined parameter names while specifying the material properties. Enter 2.8E7 for Young's modulus EX, 0.3 for Poisson's Ratio PRXY. Click OK.



To double-check the material property values, double-click on Linear Isotropic under Material Model Number 1 in the *Define Material Model Behavior* menu. This will show you the current values for EX and PRXY. Cancel the *Linear Isotropic Properties* window.

This completes the specification of *Material Model Number 1*. When we mesh the geometry later on, we'll use the reference no. 1 to assign this material model. Close the *Define Material Model Behavior* menu.

Save your work

Toolbar > SAVE_DB