

ANSYS - Semi-monocoque shell - Step 3

Problem Specification
1. Start-up and preliminary set-up
2. Specify element type and constants
3. Specify material properties
4. Specify geometry
5. Mesh geometry
6. Specify boundary conditions
7. Solve!
8. Postprocess the results
9. Validate the results

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**.

Enter Young's modulus **EX** in MPa: 7 . 3e4

Enter Poisson's Ratio **PRXY**: 0 . 33. Click **OK**.

Close the *Define Material Model Behavior* menu.

Save your work: **Toolbar > SAVE_DB**

Go to [Step 4: Specify geometry](#)

[See and rate the complete Learning Module](#)

Go to [all ANSYS Learning Modules](#)