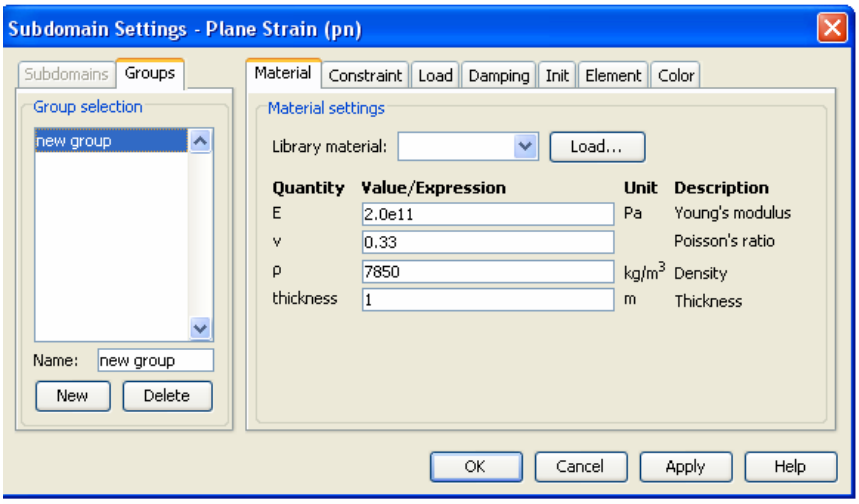
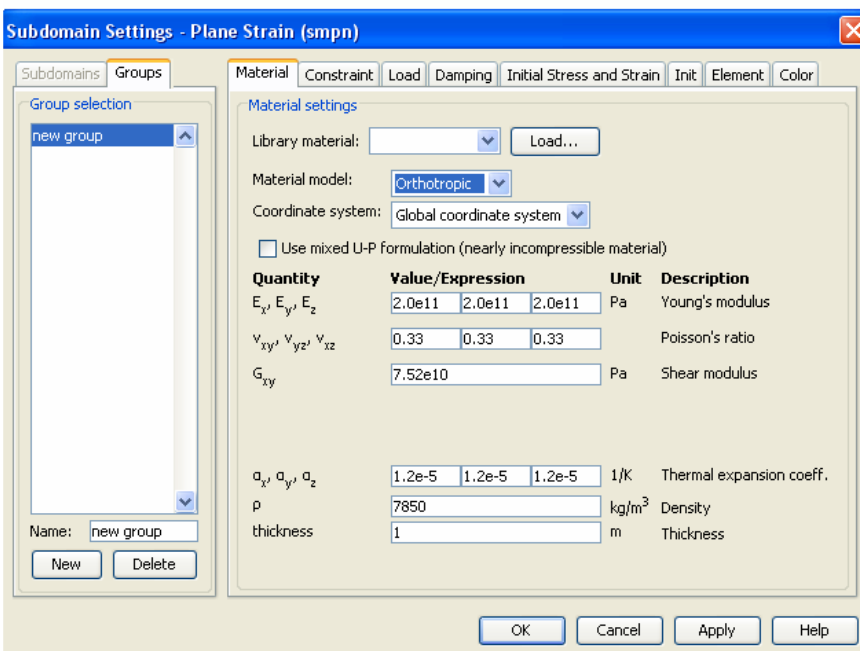

Subdomain Settings - Plane Strain (pn)
Subdomains
Groups
Group selection
new group
Name:
new group
New
Delete
Material
Constraint
Load
Damping
Init
Element
Color
Material settings
Library material:
Load...
Quantity
Value/Expression
Unit
Description
E
2.0e11
Pa
Young's modulus
ν
0.33
Poisson's ratio
ρ
7850
kg/m3
Density
thickness
1
m
Thickness
OK
Cancel
Apply
Help


Subdomain Settings - Plane Strain (smpn)
Subdomains
Groups
Group selection
new group
Name:
new group
New
Delete
Material
Constraint
Load
Damping
Initial Stress and Strain
Init
Element
Color
Material settings
Library material:
Load...
Material model:
Orthotropic
Coordinate system:
Global coordinate system
Use mixed U-P formulation (nearly incompressible material)
Quantity
Value/Expression
Unit
Description
Ex, Ey, Ez
2.0e11
2.0e11
2.0e11
Pa
Young's modulus
νxy, νyz, νxz
0.33
0.33
0.33
Poisson's ratio
Gxy
7.52e10
Pa
Shear modulus
αx, αy, αz
1.2e-5
1.2e-5
1.2e-5
1/K
Thermal expansion coeff.
ρ
7850
kg/m3
Density
thickness
1
m
Thickness
OK
Cancel
Apply
Help