```
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%                                                                      %
%    Thermal Boundary Value Problem                                    %
%                                                                      %
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

THERMAL_CONDUCTION_ANALYSIS
 ANALYSIS_TYPE,THERMAL_CONDUCTION_2D

THERMAL_MATERIAL_PROPERTIES
 DENSITY,7750
 THERMAL_CONDUCTIVITY,50
 SPECIFIC_HEAT,420

THERMAL_TRANSIENT_ANALYSIS
 SOLVER STEADY_STATE
 TIME_INTEGRATION IMPLICIT_EULER
 START_TIME 0
 END_TIME 10
 NUMBER_OF_TIME_STEPS 100
 ADAPTIVE_TIME_STEPPING true

THERMAL_INTEGRATION
 DOMAIN default
 domainNoGP 1
 boundaryNoGP 1
```