```
model SolidSplitter
  extends Icons.Tee;
  //Variables
  Types.MassFlowRate m_dot_s_in "inlet mass flow rate";
  Types.Temperature T_s_in "inlet particle temperature";
  Types.MassFlowRate m_dot_s_out_1 "stream one outlet mass flow
rate";
  Types.MassFlowRate m_dot_s_out_2 "stream two outlet mass flow
rate";
  Types.Temperature T_s_out_1 "stream one outlet temperature";
  Types.Temperature T_s_out_2 "stream two outlet temperature";
  FallingParticleReceiverSystem.Interfaces.ParticleFlow
ParticleInlet annotation(
    Placement(visible = true, transformation(origin = {-78, 0},
extent = {{-10, -10}, {10, 10}}, rotation = 0),
iconTransformation(origin = {-98, 0}, extent = {{-10, -10}, {10,
10}}, rotation = 0)));
  FallingParticleReceiverSystem.Interfaces.ParticleFlow
ParticleOutlet1 annotation(
    Placement(visible = true, transformation(origin = {80, 38},
extent = {{-10, -10}, {10, 10}}, rotation = 0),
iconTransformation(origin = {100, 0}, extent = {{-10, -10}, {10,
10}}, rotation = 0)));
  FallingParticleReceiverSystem.Interfaces.ParticleFlow
ParticleOutlet2 annotation(
    Placement(visible = true, transformation(origin = {80, -40},
extent = {{-10, -10}, {10, 10}}, rotation = 0),
iconTransformation(origin = {0, -100}, extent = {{-10, -10},
{10, 10}}, rotation = 0)));
equation
//Connections
  m_dot_s_out_1 = -ParticleOutlet1.m_dot;
  m_dot_s_out_2 = -ParticleOutlet2.m_dot;
  m_dot_s_in = ParticleInlet.m_dot;
  T_s_out_1 = ParticleOutlet1.T;
  T_s_out_2 = ParticleOutlet2.T;
  T_s_in = ParticleInlet.T;
//Mass Balance
  m_dot_s_in = m_dot_s_out_1 + m_dot_s_out_2;
//Energy Balance
  T_s_in = T_s_out_1;
  T_s_in = T_s_out_2;
end SolidSplitter;
```