

Differential Scanning Calorimetry (DSC)

DSC is a tool for investigating the thermal properties of systems. The DSC measures energy changes as the temperature of the sample is programmed in the oven. For example, a sample that melts can be investigated and the energy of the melting process can be measured (called the heat of fusion). Thermal properties are important parameters for manufacturing particularly since the cost of energy has become so important. Another application is to measure glass transition temperatures of polymers. This is the point where a plastic becomes brittle.

Picture of DSC

